
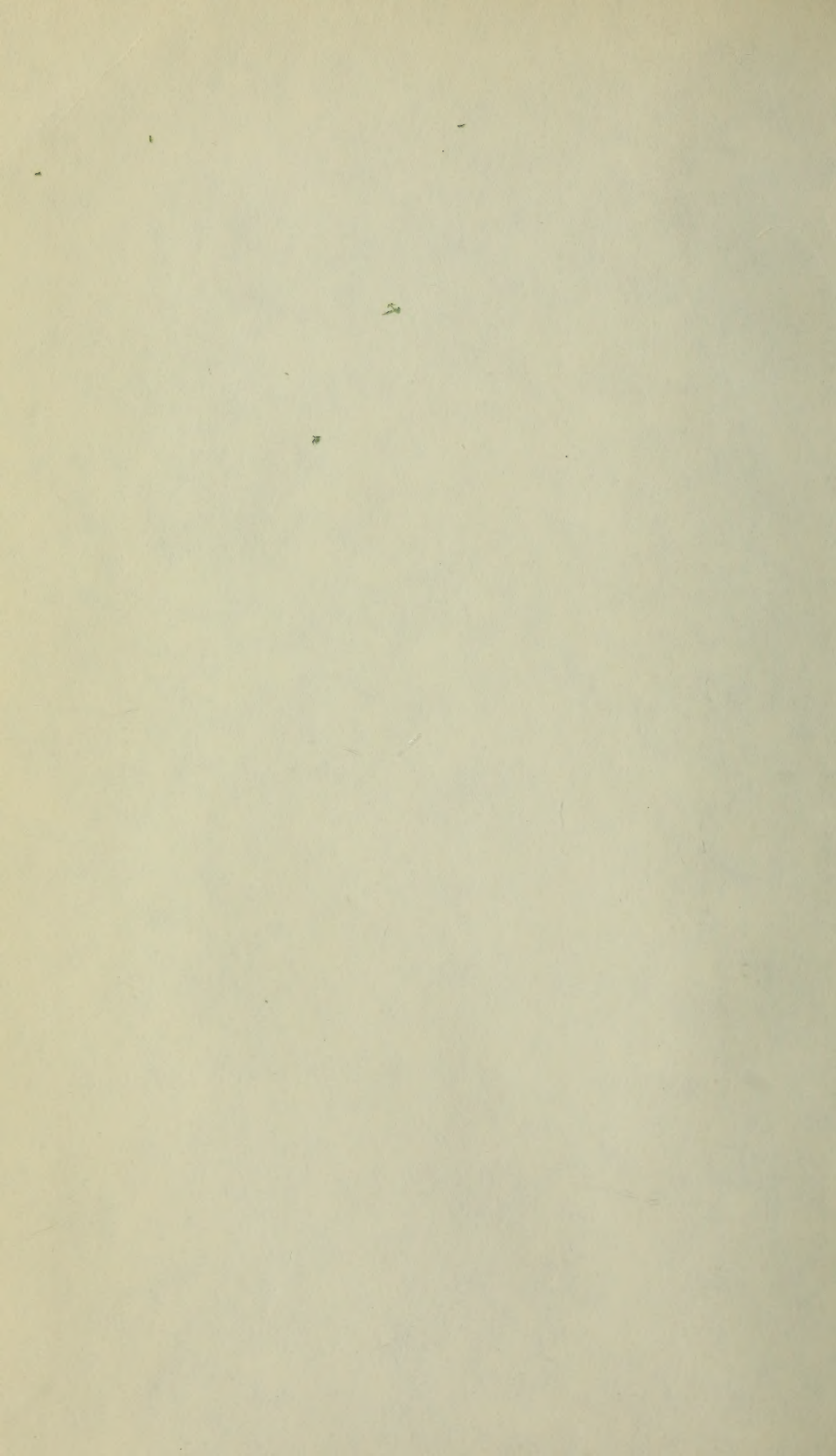


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BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE COURSES

1918



BRYN MAWR, PENNSYLVANIA
Published by Bryn Mawr College
May, 1918.

Volume XI. Part 3.

BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE
COURSES

1918

BRYN MAWR, PENNSYLVANIA.
Published by Bryn Mawr College.
Vol. XI. Part 3. May, 1918.

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Printed by the John C. Winston Co.,
Philadelphia, Pa.

BRYN MAWR COLLEGE CALENDAR

1918

- PART 1. Register of Alumnæ and Former Students.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

COLLEGE CALENDAR.

[illegible]

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 5th, 1919.

ACADEMIC YEAR, 1918-19.

September 24th.	Matriculation examinations begin.
September 30th.	Registration of students. Halls of Residence open for students at three p. m.
October 1st.	Registration of students. Matriculation examinations end.
October 2nd.	The work of the thirty-fourth academic year begins at a quarter to nine o'clock.
October 3rd.	Examinations for advanced standing begin.
October 5th.	Language examinations for all undergraduates.
October 12th.	Senior examination in French. Language examinations for Juniors.
October 19th.	Senior examination in German.
October 24th.	Examinations for advanced standing end.
November 18th.	Collegiate and matriculation condition examinations begin.
November 26th.	Collegiate and matriculation condition examinations end.
November 27th.	Thanksgiving vacation begins at one o'clock.
December 2nd.	Thanksgiving vacation ends at nine o'clock.
December 7th.	Senior examination in French.
December 14th.	Senior examination in German.
December 19th.	Christmas vacation begins at one o'clock.
January 3rd.	Christmas vacation ends at nine o'clock.
January 16th.	Matriculation examinations begin.
January 21st.	Matriculation examinations end.
January 22nd.	Half-yearly collegiate examinations begin.
February 1st.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 3rd.	Vacation.
February 4th.	Vacation.
February 5th.	The work of the second semester begins at a quarter to nine o'clock.
February 6th.	Examinations for advanced standing begin.
February 27th.	Examinations for advanced standing end.
March 18th.	Mid-semester examination in matriculation Greek.
March 21st.	Announcement of European Fellowships.
April 5th.	Senior examination in French.
April 7th.	Collegiate and matriculation condition examinations begin.
April 12th.	Senior examination in German.
April 15th.	Collegiate and matriculation condition examinations end.
April 16th.	Easter vacation begins at one o'clock.
April 24th.	Easter vacation ends at nine o'clock.
May 10th.	Senior examinations in French and German.
May 20th.	Vacation.

May 21st.	Collegiate examinations begin.
May 29th.	Matriculation examinations begin.
May 31st.	Collegiate examinations end.
June 4th.	Matriculation examinations end.
June 5th.	Conferring of degrees and close of thirty-fourth academic year.

ACADEMIC YEAR, 1919-20.

September 23rd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students. Matriculation examinations end.
October 1st.	The work of the thirty-fifth academic year begins at a quarter to nine o'clock.
October 2nd.	Examinations for advanced standing begin.
October 4th.	Language examinations for all undergraduates.
October 11th.	Senior examination in French. Language examinations for Juniors.
October 18th.	Senior examination in German.
October 23rd.	Examinations for advanced standing end.
November 17th.	Collegiate and matriculation condition examinations begin.
November 25th.	Collegiate and matriculation condition examinations end.
November 26th.	Thanksgiving vacation begins at one o'clock.
December 1st.	Thanksgiving vacation ends at nine o'clock.
December 6th.	Senior examination in French.
December 13th.	Senior examination in German.
December 22nd.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 15th.	Matriculation examinations begin.
January 20th.	Matriculation examinations end.
January 21st.	Half-yearly collegiate examinations begin.
January 31st.	Collegiate examinations end. Annual meeting of the Alumnæ Association.
February 2nd.	Vacation.
February 3rd.	Vacation.
February 4th.	The work of the second semester begins at a quarter to nine o'clock.
February 5th.	Examinations for advanced standing begin.
February 26th.	Examinations for advanced standing end.
March 16th.	Mid-semester examination in matriculation Greek.
March 19th.	Announcement of European Fellowships.
March 20th.	Senior examination in French.
March 22nd.	Collegiate and matriculation condition examinations begin.

March 27th.	Senior examination in German.
March 30th.	Collegiate and matriculation condition examinations end.
March 31st.	Easter vacation begins at one o'clock.
April 8th.	Easter vacation ends at nine o'clock.
May 8th.	Senior examinations in French and German.
May 18th.	Vacation.
May 19th.	Collegiate examinations begin.
May 27th.	Matriculation examinations begin.
May 29th.	Collegiate examinations end.
June 2nd.	Matriculation examinations end.
June 3rd.	Conferring of degrees and close of thirty-fifth academic year.

ACADEMIC YEAR, 1920-21.

September 21st.	Matriculation examinations begin.
September 27th.	Registration of students. Halls of Residence open for students at three p. m.
September 28th.	Registration of students. Matriculation examinations end.
September 29th.	The work of the thirty-sixth academic year begins at a quarter to nine o'clock.

SCHEDULE OF MATRICULATION EXAMINATIONS.

AUTUMN, 1918.

TUESDAY, SEPTEMBER 24.

<i>English Composition (Old) or Literature (New Requirements)</i> ..	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ..	2.00- 4.00
<i>Science, except Physics (New Requirements)</i>	4.15- 5.45

WEDNESDAY, SEPTEMBER 25.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History</i>	3.45- 5.45

THURSDAY, SEPTEMBER 26.

<i>French</i>	9.30-12.30
<i>Ancient History</i>	2.00- 4.00
<i>Greek Prose Authors</i>	4.15- 5.15
<i>Greek Grammar</i>	5.15- 6.15

FRIDAY, SEPTEMBER 27.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (New Requirements)</i>	3.45- 5.45

SATURDAY, SEPTEMBER 28.

<i>German</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

WEDNESDAY, OCTOBER 2.

THURSDAY, OCTOBER 3.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30	<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1919.

WEDNESDAY, JANUARY 15

<i>Greek, French, German, Italian or Spanish (two points)</i>	2.30- 4.30
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THURSDAY, JANUARY 16.

<i>English Composition (Old) or Literature (New Requirements)</i> ..	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ..	2.00- 4.00
<i>Science, except Physics (New Requirements)</i>	4.15- 5.45

FRIDAY, JANUARY 17.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History</i>	3.45- 5.45

SATURDAY, JANUARY 18.

<i>French</i>	9.30-12.30
<i>Ancient History</i>	2.00- 4.00
<i>Greek Prose Authors</i>	4.15- 5.15
<i>Greek Grammar</i>	5.15- 6.15

MONDAY, JANUARY 20.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (New Requirements)</i>	3.45- 5.45

TUESDAY, JANUARY 21.

<i>German</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

MONDAY, FEBRUARY 3.

TUESDAY, FEBRUARY 4.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30	<i>Solid Geometry</i>	2.30- 4.30

SPRING, 1919.

WEDNESDAY, MAY 28.

<i>Greek, French, German, Italian or Spanish (two points)</i>	2.30- 4.30
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THURSDAY, MAY 29.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	2.30- 5.30
<i>Trigonometry</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

FRIDAY, MAY 30.

<i>English Composition (Old) or Literature (New Requirements)</i> ..	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ..	2.00- 4.00
<i>Science, except Physics (New Requirements)</i>	4.15- 5.45

SATURDAY, MAY 31.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History</i>	3.45- 5.45

MONDAY, JUNE 2.

<i>French</i>	9.30-12.30
<i>Ancient History</i>	2.00- 4.00
<i>Greek Prose Authors</i>	4.15- 5.15
<i>Greek Grammar</i>	5.15- 6.15

TUESDAY, JUNE 3.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (New Requirements)</i>	3.45- 5.45

WEDNESDAY, JUNE 4.

<i>German</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

AUTUMN, 1919.

MONDAY, SEPTEMBER 22.

<i>Greek, French, German, Italian or Spanish (two points)</i>	2.30- 4.30
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TUESDAY, SEPTEMBER 23.

<i>English Composition (Old) or Literature (New Requirements)</i> ..	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ..	2.00- 4.00
<i>Science, except Physics (New Requirements)</i>	4.15- 5.45

WEDNESDAY, SEPTEMBER 24.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History</i>	3.45- 5.45

THURSDAY, SEPTEMBER 25.

<i>French</i>	9.30-12.30
<i>Ancient History</i>	2.00- 4.00
<i>Greek Prose Authors</i>	4.15- 5.15
<i>Greek Grammar</i>	5.15- 6.15

FRIDAY, SEPTEMBER 26.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (New Requirements)</i>	3.45- 5.45

SATURDAY, SEPTEMBER 27.

<i>German</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

WEDNESDAY, OCTOBER 1.

THURSDAY, OCTOBER 2.

<i>Minor Latin A</i>	9.30-12.30	<i>Minor Latin, B</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30	<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1920.

WEDNESDAY, JANUARY 14.

<i>Greek, French, German, Italian or Spanish (two points)</i>	2.30- 4.30
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THURSDAY, JANUARY 15.

<i>English Composition (Old) or Literature (New Requirements)</i> ..	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ..	2.00- 4.00
<i>Science, except Physics (New Requirements)</i>	4.15- 5.45

FRIDAY, JANUARY 16.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History</i>	3.45- 5.45

SATURDAY, JANUARY 17.

<i>French</i>	9.30-12.30
<i>Ancient History</i>	2.00- 4.00
<i>Greek Prose Authors</i>	4.15- 5.15
<i>Greek Grammar</i>	5.15- 6.15

MONDAY, JANUARY 19.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (New Requirements)</i>	3.45- 5.45

TUESDAY, JANUARY 20.

<i>German</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

MONDAY, FEBRUARY 2.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

TUESDAY, FEBRUARY 3.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

SPRING, 1920.

WEDNESDAY, MAY 26.

<i>Greek, French, German, Italian or Spanish (two points)</i>	2.30- 4.30
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THURSDAY, MAY 27.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	2.30- 5.30
<i>Trigonometry</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

FRIDAY, MAY 28.

<i>English Composition (Old) or Literature (New Requirements)</i> ..	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ..	2.00- 4.00
<i>Science, except Physics (New Requirements)</i>	4.15- 5.45

SATURDAY, MAY 29.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History</i>	3.45- 5.45

MONDAY, MAY 31.

<i>French</i>	9.30-12.30
<i>Ancient History</i>	2.00- 4.00
<i>Greek Prose Authors</i>	4.15- 5.15
<i>Greek Grammar</i>	5.15- 6.15

TUESDAY, JUNE 1.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (New Requirements)</i>	3.45- 5.45

WEDNESDAY, JUNE 2.

<i>German</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

AUTUMN, 1920.

MONDAY, SEPTEMBER 20.

<i>Greek, French, German, Italian or Spanish (two points)</i>	2.30- 4.30
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TUESDAY, SEPTEMBER 21.

<i>English Composition (Old) or Literature (New Requirements)</i> ..	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ..	2.00- 4.00
<i>Science, except Physics (New Requirements)</i>	4.15- 5.45

WEDNESDAY, SEPTEMBER 22.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History</i>	3.45- 5.45

THURSDAY SEPTEMBER 23.

<i>French</i>	9.30-12.30
<i>Ancient History</i>	2.00- 4.00
<i>Greek Prose Authors</i>	4.15- 5.15
<i>Greek Grammar</i>	5.15- 6.15

FRIDAY, SEPTEMBER 24.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (New Requirements)</i>	3.45- 5.45

SATURDAY, SEPTEMBER 25.

<i>German</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

WEDNESDAY, SEPTEMBER 29.

THURSDAY, SEPTEMBER 30.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30	<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1921.

FRIDAY, JANUARY 12.

<i>Greek, French, German, Italian or Spanish (two points)</i>	2.30- 4.30
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THURSDAY, JANUARY 13.

<i>English Composition (Old) or Literature (New Requirements)</i> ..	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ..	2.00- 4.00
<i>Science, except Physics (New Requirements)</i>	4.15- 5.45

FRIDAY, JANUARY 14.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History</i>	3.45- 5.45

SATURDAY, JANUARY 15.

<i>French</i>	9.30-12.30
<i>Ancient History</i>	2.00- 4.00
<i>Greek Prose Authors</i>	4.15- 5.15
<i>Greek Grammar</i>	5.15- 6.15

MONDAY, JANUARY 17.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (New Requirements)</i>	3.45- 5.45

TUESDAY, JANUARY 18.

<i>German</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

MONDAY, JANUARY 31.

TUESDAY, FEBRUARY 1.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30	<i>Solid Geometry</i>	2.30- 4.30

CORPORATION.

RUFUS M. JONES,
President.

ASA S. WING,
Treasurer.

ANNA RHOADS LADD,
Secretary.

RUFUS M. JONES.
M. CAREY THOMAS.
FRANCIS R. COPE, JR.
ASA S. WING.
CHARLES J. RHOADS.
THOMAS RAEburn WHITE.

FREDERIC H. STRAWBRIDGE.
ABRAM F. HUSTON.
ANNA RHOADS LADD.
ARTHUR H. THOMAS.
WILLIAM C. DENNIS.
ARTHUR PERRY.

ARTHUR FREEBORN CHACE.

BOARD OF DIRECTORS.

RUFUS M. JONES.
Chairman.

ASA S. WING,
Treasurer.

ANNA RHOADS LADD,
Secretary.

RUFUS M. JONES.
M. CAREY THOMAS.
FRANCIS R. COPE, JR.
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CHARLES J. RHOADS.
THOMAS RAEburn WHITE.
FREDERIC H. STRAWBRIDGE.
ELIZABETH BUTLER KIRKBRIDE.

ANNA RHOADS LADD.
ABRAM F. HUSTON.
ARTHUR H. THOMAS.
WILLIAM C. DENNIS.
ELIZABETH NIELDS BANCROFT.
MARION REILLY.
ARTHUR PERRY.
ARTHUR FREEBORN CHACE.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1917-18.

*President,*M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.*Dean of the College,*HELEN HERRON TAFT, A.M.
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.*Secretary and Registrar of the College,*

EDITH ORLADY, A.B. Office: Taylor Hall.

Recording Secretary,

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

MARY FRANCES NEARING, A.B., Rockefeller Hall.

BERTHA SOPHIE EHLERS, A.B., Denbigh Hall.

ALICE MARTIN HAWKINS, A.B., Merion Hall.

LETITIA BUTLER WINDLE, A.B., Radnor Hall.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Business Manager,

LOUISE WATSON, A.B. Office: Taylor Hall.

Assistant Business Manager,

HELEN SOPHIA LAUTZ, A.B. Office: Taylor Hall.

Junior Bursar,

HARRIET JEAN CRAWFORD, A.B. Office: Cartref.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Athletics and Gymnastics and Supervisor of Health Department,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician-in-Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Resident Physician,*M. LEOLA CARRICO, M.D., 1905 Infirmary, Bryn Mawr; Office hours,
The Infirmary, Bryn Mawr College, 8 to 9 a. m., 4 to 5.30 p. m.,
daily except Saturday and Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1408 Spruce Street,
Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1917-18.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Dean of the College.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916. Graduate Student, Yale University, 1915-17.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-94; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D.,* *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Alumnæ Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Alumnæ Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

*Granted leave of absence for the year 1917-18.

WILLIAM BASHFORD HUFF,* Ph.D., Professor of Physics.

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1893-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, Ph.D., Professor of History.

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., Mary E. Garrett Memorial Professor of English.

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, Ph.D., Professor of German Literature.

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, Ph.D., Professor of Latin.

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04; Visiting Professor, American Academy in Rome, 1916-17.

DAVID HILT TENNENT, Ph.D., Professor of Biology.

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

JAMES BARNES, Ph.D., Professor of Physics.

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA, Ph.D., Professor of Philosophy.

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH, Ph.D., Professor of Economics.

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, Ph.D., Professor of Experimental Psychology and Director of the Psychological Laboratory.

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., Associate Professor of Philosophy.

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, Ph.D., Associate Professor and Professor (elect) of English Composition.

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., Secretary and Registrar of the College.

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

* Granted leave of absence for the year 1918-19.

JAMES FULTON FERGUSON, PH.D., *Associate Professor of Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

ROGER FREDERIC BRUNEL, PH.D., *Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Professor of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, PH.D., *Associate in Experimental and Applied Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Associate Professor of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Dean of the College, Bryn Mawr College 1916-17.

SAMUEL CLAGGETT CHEW, PH.D., *Associate Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

GEORGIANA GODDARD KING, A.M., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER,* PH.D., *Associate Professor and Professor (elect) of Classical Archæology.*

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

* Granted leave of absence for Military Service 1917-19.

CHARLES GHEQUIERE FENWICK, PH.D., Associate Professor and Professor (elect) of Political Science.

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

HOWARD LEVI GRAY, PH.D., Professor of History.

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15.

JAMES LLEWELLYN CRENSHAW,* PH.D., Associate in Physical Chemistry.

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15.

HOWARD JAMES SAVAGE,* PH.D., Associate Professor of Rhetoric and Director of the Work in English Composition.

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915.

OLIVE CLIO HAZLETT, PH.D., Associate in Mathematics.

A.B., Radcliffe College, 1912; S.M., University of Chicago, 1913, and Ph.D., 1915. Fellow in Mathematics, University of Chicago, 1913-15; Holder of the Fellowship of the Boston Branch of the Association of Collegiate Alumnae, 1914-15; Alice Freeman Palmer Fellow (elect) of the Association of Collegiate Alumnae, 1915-17; Alice Freeman Palmer Fellow of Wellesley College, 1915-16, and Fellow (elect) 1916-17.

CHARLES DOMINIQUE VATAR, LICENCIÉ-ÈS-LETTRES, Associate in French.

Rennes, France. Bachelier-ès-lettres et ès-sciences, University of Rennes, 1910, and Licencié-ès-Lettres, 1914. University of Lille, 1911-13; University of Rennes, 1913-15; University of London, 1915-16.

HOWARD ROLLIN PATCH, PH.D., Associate in English Philology.

A.B., Hobart College, 1910; A.M., Harvard University, 1912, and Ph.D., 1915. Assistant in English, Harvard University, 1912-13; John Harvard Fellow, 1912-15; Instructor in English, Harvard University and Radcliffe College, 1915-16.

ETHEL ERNESTINE SABIN, PH.D., Associate in Philosophy.

A.B., University of Wisconsin, 1908, and A.M., 1914; Ph.D., University of Illinois, 1916. Graduate Scholar, University of Wisconsin, 1913-14; Fellow, University of Illinois, 1914-16; Assistant in English, University of Illinois, 1916-17.

ADA HART ARLITT, PH.D., Associate in Educational Psychology.

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

FLORENCE PEEBLES, PH.D., Associate Professor of Physiology.

A.B., Woman's College of Baltimore, 1895; Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table, and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11, 1913-15; Holder of American Woman's Table in Zoological Station, Naples, spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10; Private Tutor, 1907-12, 1913-15; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13; Lecturer in Biology, Bryn Mawr College, as substitute for Professor of Biology, Oct. to Dec. 1913; Professor of Biology and Head of Department, H. Sophie Newcomb Memorial College, Tulane University, 1915-17.

JOSEPH CLARK HOPPIN, PH.D., Professor of Classical Archaeology.

A.B., Harvard University, 1893; Ph.D., University of Munich, 1896. American School of Classical Studies, Athens, Winter Semester, 1893-94, 1895-96; University of Berlin,

* Granted leave of absence for Military Service for 1917-19.

Summer Semester, 1893-94; University of Munich, 1894-95; Summer Semester, 1895-96; American School of Classical Studies, Athens, 1896-97, Lecturer on Greek Vases, 1897-98, and Professor of Greek Language and Literature, 1904-05; Instructor in Greek Art, Wellesley College, 1898-99. Associate in Classical Art and Archaeology, Bryn Mawr College, 1899-1901, and Associate Professor, 1901-04. *Replacing Dr. Rhys Carpenter absent on War Service.*

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

EDWARD HENRY SEHRT, Ph.D., *Lecturer in Teutonic Philology.*

A.B., Johns Hopkins University, 1911, and Ph.D., 1915. Fellow, Johns Hopkins University, 1912-13, and Fellow by Courtesy, 1914-15; Student, University of Leipsic, 1913-14; Instructor in Modern Languages, Delaware College, 1915-16.

GERARD VAN ROSSEN HOOGENDIJK, Ph.D., *Lecturer in Physical Chemistry.*

s' Heerenberg, The Netherlands. Agr. Eng., National Agricultural College, Wageningen, The Netherlands; A.M., Ph.D., University of Göttingen, 1910. Instructor in Chemistry, University of Colorado, 1910-12; University of Berlin, 1913-14; Instructor in Physical Chemistry, University of Illinois, 1915-17. *Replacing Dr. James Llewellyn Crenshaw, absent on War Service.*

MARY HAMILTON SWINDLER, Ph.D., *Instructor in Latin and Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.

ESTHER CLOUDMAN DUNN, A.B., *Instructor in English Composition and Acting Director of First and Second Year English Composition.*

A.B., Cornell University, 1913. *Replacing Dr. Howard James Savage absent on War Service.*

ELLEN ELIZABETH HILL, B.L., *Instructor in English Composition.*

B.L., Smith College, 1891.

ANGIE LILLIAN KELLOGG, A.M., *Instructor in Social Economy and Social Research.*

A.B., Vassar College, 1903, and A.M., 1904. Resident Fellow, Vassar College, 1903-04; Teacher of English, Schenectady High School, N. Y., 1904-10; Law Student, 1910-11; Fellow in Philosophy, Bryn Mawr College, 1911-13, and Graduate Scholar and Fellow by Courtesy, 1913-14; Holder of Mary Richardson and Lydia Pratt Babbott Fellowship of Vassar College, 1913-14; awarded A. C. A. European Fellowship for 1914-15; Probation Officer for Girls in Watertown, N. Y., Agent for S. P. C. C. Society of Jefferson Co., N. Y., and Superintendent of Bureau of Charities, Watertown, N. Y., summer of 1912; Officer at Bedford Reformatory, N. Y., summer of 1913; Jefferson County Agent for Dependent and Delinquent Children, 1914-16; Research Field Worker for the New York School of Philanthropy, January to May, 1916.

EMILY GIFFORD NOYES, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1915. Student in the School of Journalism, Columbia University, 1915-16, and Graduate Student in English, 1916-17.

HELEN MCGREGOR NOYES, A.B., *Instructor in English Composition.*

A.B., Radcliffe College, 1915. Teacher in Dana Hall, Wellesley, Mass., 1916-17.

FRANK JAMES WRIGHT, Ph.D., *Associate in Geology.*

A.B., Bridgewater College, 1908; A.M., University of Virginia, 1911; Ph.D., Columbia University, 1918. Graduate Student, University of Virginia, 1908-09, 1910-11, 1913-14; Columbia University, Summer Sessions, 1913, 1916; University Scholar in Physiography, Columbia University, 1916-17. Professor of Geology, Bridgewater College, 1911-16; Field Assistant, Virginia Geological Survey, 1912-14, and Assistant in Geology, 1915-17.

CLARA E. MORTENSON, M.S., *Instructor in Labour, Economics, and Politics.*

B.S., University of California, 1915 and M.S., 1916. Assistant Investigator of the Industrial Relations Commission, 1914-15; Assistant in Economics, University of California, 1915-17.

ANNABELLA ELLIOTT RICHARDS, Ph.D., *Instructor in Biochemistry.*

A.B., Bryn Mawr College, 1907, Ph.D., Johns Hopkins University, 1914. Scholar in Chemistry, Bryn Mawr College, 1908-09, and Graduate Student, 1909-11, 1916-17. Teacher of Physiology in the Girls' High School, Philadelphia, 1910-11; Assistant in Chemistry, Barnard College, 1911-12; Graduate Student in Chemistry, Johns Hopkins University, 1912-13; Chemical Assistant in Medicine, Johns Hopkins University, 1914-15; Demonstrator in Chemistry and Assistant in Clinical Pathology, Woman's

iversity,

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ADDENDA, pp. 18 and 19.

Manager
iversity,

NA JOHNSON PELL,* Ph.D., *Associate Professor (elect) of Mathematics.*

University of South Dakota, 1903; M.S., University of Iowa, 1904; A.M., Radcliffe College, 1905; Ph.D., University of Chicago, 1910; Holder of Alice Freeman Palmer Fellowship of Wellesley College and Student in Mathematics, University of Göttingen, 1906-07; Instructor in Mathematics, Mount Holyoke College, 1911-14, and Associate Professor of Mathematics, 1914-18.

ics and

Scholar,
iversity,
nstructor

ARLES WENDELL DAVID, Ph.D., *Associate Professor (elect) of History.*

Oxford University, 1911; A.M., University of Wisconsin, 1912; Ph.D., Harvard University, 1918; Instructor in History, University of Washington, 1915-18.

RY AGNES QUMBY, A.M., *Instructor (elect) in German.*

artist and

Bryn Mawr College, 1906; A.M., Cornell University, 1916; Ph.D., University of Pennsylvania, 1918; Teacher of German and History in the Berwyn High School, 1907-14; Graduate Student, Cornell University, 1915-16; Pepper Fellow in Germanics, University of Pennsylvania, 1916-18.

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ool, Bryn

CE HEDWIGE BEULIN, *Agrégée des Lettres, Associate (elect) in French.*

Agrégée des Lettres de l'Université de Paris; Professor at the Lycée de Jeunes Filles de Boulogne; Substitute Professor in the Lycées Racine, Victor Hugo, Fénelon and Lakanal, Paris.

yn Mawr

RGARET STEEL DUNCAN, *Instructor (elect) in French and Spanish.*

Bryn Mawr College, 1908, and A.M., University of Illinois, 1910; Ph.D., University of Pennsylvania, 1918; Honorary Fellow in Romance Languages, University of Illinois, 1909-10; Instructor in Romance Languages, Hiram College, 1910-12, 1913-14; Student at the Sorbonne and in Madrid, Spain, 1912-13; Graduate Student, Department of Romance Languages, 1916-17; and Joseph M. Bennett Fellow in Romanics, University of Pennsylvania, 1917-18; Associate Professor of Romance Languages, Temple University, Philadelphia, 1916-18.

French,
1911-15,

nt to the,

LCOLM HAVENS BISSELL, A.M., *Instructor (elect) in Geology.*

B., Yale University, 1911 and A.M., 1918; Instructor in Engineering, University of Pittsburgh, 1913-14; Assistant in Geography, Yale University, 1917-18; With Connecticut Geological Survey, 1917.

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* Mrs. Alexander Pell.

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GRACE ALBERT, A.M., *Assistant in Geology.*

A.B., Bryn Mawr College, 1897, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08;

Summer Semester, 1893-94; University of Munich, 1894-95; Summer Semester, 1895-96; American School of Classical Studies, Athens, 1896-97, Lecturer on Greek Vases, 1897-98, and Professor of Greek Language and Literature, 1904-05; Instructor in Greek Art, Wellesley College, 1898-99. Associate in Classical Art and Archæology, Bryn Mawr College, 1899-1901, and Associate Professor, 1901-04. *Replacing Dr. Rhye Carpenter absent on War Service.*

SAMUEL .

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ELLEN E.

B.L., Smith

ANGIE L.

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CLARA E. MORTENSON, M.S., Instructor in Labour, Economics, and Politics.

B.S., University of California, 1915 and M.S., 1916. Assistant Investigator of the Industrial Relations Commission, 1914-15; Assistant in Economics, University of California, 1915-17.

ANNABELLA ELLIOTT RICHARDS, PH.D., *Instructor in Biochemistry.*

A.B., Bryn Mawr College, 1907, Ph.D., Johns Hopkins University, 1914. Scholar in Chemistry, Bryn Mawr College, 1908-09, and Graduate Student, 1909-11, 1916-17. Teacher of Physiology in the Girls' High School, Philadelphia, 1910-11; Assistant in Chemistry, Barnard College, 1911-12; Graduate Student in Chemistry, Johns Hopkins University, 1912-13; Chemical Assistant in Medicine, Johns Hopkins University, 1914-15; Demonstrator in Chemistry and Assistant in Clinical Pathology, Woman's Medical College of Pennsylvania, 1915-17.

SUSAN FARLEY NICHOLS, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1915. Graduate Student in English, Columbia University, 1916-17.

CORNELIA THROOP GEER, A.B., *Instructor in English Composition.*

A.B., Barnard College, 1917.

ANNE BEZANSON, A.M., *Instructor (elect) in Social Economy and Social Research.*

A.B., Radcliffe College, 1915, and A.M., 1916. Harvard University, 1915-16; Manager of Business Firm, 1903-11; Assistant in Economic Research, Harvard University, 1916-18; Lecturer on Statistics, Wellesley College, 1917-18.

MARJORIE LORNE FRANKLIN, A.M., *Instructor (elect) in Economics and Politics.*

A.B., Barnard College, 1913, and A.M., Columbia University 1916. Graduate Scholar, Bryn Mawr College, 1913-14 and Fellow in Economics, 1914-15; Columbia University, 1915-16; Library Assistant, American Telephone and Telegraph Co., 1916-17; Instructor in Political Science, Vassar College, 1917-18.

HELEN E. FERNALD, A.B., *Instructor (elect) in History and Art.*

A.B., Mount Holyoke College, 1914. Teachers' College, 1916-18; Scientific Artist and Research Assistant, Columbia University, 1915-18.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1918.

EVA ALICE WORRALL BRYNE, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1916, and A.M., 1917. Graduate Scholar in Latin, Bryn Mawr College, 1916-17.

JEANNE CHÉRON, LICENCIÉE-ÈS-LETTRES, *Reader in French.*

Paris, France. Licenciée-ès-Lettres, University of Paris, 1908. Instructor in French, Wellesley College, 1909-11; Teacher in Miss Chamberlayne's School, Boston, 1911-15, and in Madame Rieffel's School, Rosemont, Pa., 1915-16.

MARIAN CLEMENTINE KLEPS, A.B., *Reader in Mathematics.*

A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916. Assistant to the Recording Secretary, 1916-17.

CHRISTINE DE SARAUW, PH.D., *Instructor in German and Spanish.*

A.M., Columbia University, 1910, and Ph.D., University of Jena, 1915. Student in the Universities of Paris, Jena, and Zurich; Studied in Italy and Spain. Teacher in Preparatory Schools, 1902-06, 1910-13; Instructor in Spanish, Italian, and French, Vassar College, 1906-08, and in German, 1916-17.

ANNA CHRISTINE MCBRIDE, A.M., *Reader in Statistics and Secretary to the Carola Woerishoffer Department of Social Economy and Social Research.*

A.B. and B.S., University of Missouri, 1912, and A.M., 1913. Problem Reader in Mathematics, University of Missouri, 1910-13; Teacher of Mathematics in the Preparatory High School of the University of Missouri, 1911-12; Graduate Scholar in Mathematics, University of Missouri, 1912-13 and in Sociology, 1913-14; Graduate Student, Columbia University, 1914-16.

GRACE ALBERT, A.M., *Reader in History.*

A.B., Bryn Mawr College, 1897, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr. 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08;

Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-15; Teacher of History in the Agnes Irwin School, Philadelphia, 1916-18.

EDITH HAMILTON LANMAN, A.M., *Demonstrator and Instructor (elect) in Chemistry.*

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

SUE AVIS BLAKE, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

AGNES RUTHERFORD RIDDELL, PH.D., *Reader in Spanish and French and Instructor (elect) in Italian.*

A.B., University of Toronto, 1896, with first class honours in Modern Languages; and A.M., 1897. Honours, Ontario Normal College, 1898. Ph.D., University of Chicago, 1916. Teacher of French and German, Oshawa High School, 1898-1901; Assistant Reader, Department of English, University of Toronto, 1902-11; Teacher of English, Branksome Hall, Toronto, 1904-05; Teacher of German, Latin and English, Westbourne School, Toronto, 1906-10, 1913-14; Graduate Student in Romance Languages, University of Chicago, January, 1912, to August, 1913; Fellow in Romance Languages, University of Chicago, 1914-15; Acting Head of Kelly Hall, University of Chicago, summers of 1913, 1914 and 1915; Professor of Romance Languages, College of Emporia, Emporia, Kansas, 1915-17; Dean of Women, College of Emporia, 1915-17.

ANNA SOPHIE ROGERS, PH.D., *Demonstrator in Biology.*

A.B., University of Illinois, 1911; A.M., 1914, and Ph.D., 1917. Assistant Principal, The High School, La Moille, Ill., 1911-12; Teacher of Latin in the Township High School, Belleflower, Ill., 1912-13; Graduate Student, University of Illinois, 1913-14, Graduate Assistant in Psychology, 1914-16, and Assistant in Psychology, 1916-17.

MILDRED CLARK JACOBS, A.M., *Assistant Demonstrator in Psychology.*

A.B., Bryn Mawr College, 1916, and A.M., 1917. Carola Woerishoffer Graduate Scholar in Social Economy and Social Research, Bryn Mawr College, 1916-17.

ELIZABETH KLINE STARK, A.B., *Assistant Demonstrator in Psychology.*

A.B., Bryn Mawr College, 1916.

HELEN LATHROP, A.B., *Demonstrator in History of Art.*

A.B., Leland Stanford Jr. University, 1902. New York State Library School, 1905-06. Acting Reference Librarian, Leland Stanford Jr. University, 1907-08 and Reference Librarian, 1908-10; Chief of Document Department, Oakland Free Library, Oakland, Cal., 1912-13, 1915-17.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

MARY LOUISE TERRIEN, A.B., *Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

MAY MORRIS, PH.B., *Assistant to the Circulation and Reference Librarian.*

Ph.B., Dickinson College, 1909. Pratt Institute School of Library Science, 1917.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

MERCER WATSON, *Assistant to the Librarian.*

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

HELEN REED KIRK, A.B., *Assistant Director of Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1914. Teacher of Latin, History, and Athletics in the Holman School, Philadelphia, 1914-16.

JEANNE HAMMER, *Gymnasium Demonstrator.*

CAROL S. KEAY, *Gymnasium Demonstrator.*

ADMINISTRATIVE AND EXECUTIVE APPOINTMENTS.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Dean of the College.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916; Graduate Student, Yale University, 1915-17.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12; Acting Secretary and Registrar, 1916-17.

SANDY LEE HURST, *Comptroller.*

LOUISE WATSON, A.B., *Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

HELEN SOPHIA LAUTZ, A.B., *Assistant Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Friends' Academy, Moorestown, N. J., 1912-16.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment.*

GEORGE C. CHANDLER, *Superintendent of Buildings and Grounds.*

HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall and Director of Wardens.*

A.B., Bryn Mawr College, 1889.

MARY FRANCES NEARING, A.B., *Warden of Rockefeller Hall.*

A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14.

BERTHA SOPHIE EHLERS, A.B., *Warden of Denbigh Hall.*

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13.

ALICE MARTIN HAWKINS, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Philadelphia, 1907-03. and in the Friends' School, Germantown, 1908-09.

LETITIA BUTLER WINDLE, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1907. Secretary and Teacher of Mathematics in the Wykeham Rise School, Washington, Conn., 1907-08; Assistant Agent of the Federated Charities of Baltimore, Md., 1908-09; Teacher of Mathematics in the Stevens School, Germantown, Philadelphia, 1909-15, and in the Gordon-Roney School, Philadelphia, 1915-16.

HARRIET JEAN CRAWFORD, A.B., *Junior Bursar.*

A.B., Bryn Mawr College, 1902. Chairman of Sectional School Board, 35th Ward, Philadelphia, 1910-16; Warden of Rockefeller Hall, Bryn Mawr College, 1907-11.

HEALTH DEPARTMENT.

HELEN HERRON TAFT, A.M., *Head of Health Department.*

M. CAREY THOMAS, PH.D., LL.D., *Ex-officio.*

CONSTANCE M. K. APPLEBEE, *Health Supervisor.*

THOMAS F. BRANSON, M.D., *Physician-in-Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

M. LEOLA CARRICO, M.D., *Assistant Resident Physician.*

B.Sc., University of Chicago, 1914; M.D., Rush Medical College, 1916. Interno, Memorial Hospital, Worcester, Mass., 1916-17.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians* have consented to serve as consultants:

THOMAS MCCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consulting Physician.*

GEORGE E. DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consulting Oculist.*

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 302 South Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 South Sixteenth Street, Philadelphia, *Consultant Orthopædist.*

G. G. DAVIS, M.D., 1814 Spruce Street, Philadelphia, *Consultant Orthopædist.*

* During the absence of certain of these physicians on War Service other physicians in Philadelphia have kindly consented to serve.

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, PH.D., *Director.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Professor of Education, Bryn Mawr College.

BIRD MARGARET TURNER, A.M., *Assistant Director and Teacher of Mathematics.*

A.B., University of West Virginia, 1915, and A.M., 1916. Teacher in Graded Schools, Moundsville, W. Va., 1896-1900; Teacher of Mathematics in the Moundsville High School, 1900-13; Student Assistant in Mathematics, University of West Virginia, 1913-15; Graduate Student in Mathematics, University of West Virginia, 1914-15; and Assistant in the University summer schools, 1914 and 1915; Principal of High School, Moundsville, 1915-16; Scholar in Mathematics, Bryn Mawr College, 1916-17; President's European Fellow (elect) 1917-18. Reader (elect) in Mathematics.

JEAN MURIEL BATCHELOR, A.B., *Teacher of English.*

A.B., Bryn Mawr College, 1914. Private Tutor, 1914-15; Graduate Student, University of Pennsylvania, and Teacher of English in the South Philadelphia High School for Girls, 1916-17.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

MARY HAMILTON SWINDLER, PH.D., *Teacher of Latin and Greek.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12. Instructor in Latin and Classical Archæology, Bryn Mawr College.

ELEANOR FERGUSON RAMBO, A.M., *Teacher of Latin and Greek.*

A.B., Bryn Mawr College, 1908, A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10, and in Archæology, 1911-12, 1914-15; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-16; Teacher of Latin in Miss Wright's School, Bryn Mawr, 1911-16. Fellow in Archæology, Bryn Mawr College, 1916-17; completed examinations for Ph.D., Bryn Mawr College, 1918.

MABEL PAULINE WOLFF, A.M., *Teacher of History.*

A.B., Barnard College, 1905, and A.M., Columbia University, 1915. Teacher, Public School, Patton, Pennsylvania, 1905-06, Allentown College for Women, 1906-07, Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Washington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16.

RUTH LAUTZ, A.B., *Teacher of Geography, Elementary Science, and Physics.*

A.B., Bryn Mawr College, 1916. Teacher in Miss Howe's and Miss Marot's School, Thompson, Conn., 1916-17.

JEANNE CHÉRON, LICENCIÉE-ÈS-LETTRES, *Teacher of French.*

Licenciée-ès-Lettres, University of Paris, 1908. Instructor in French, Wellesley College, 1909-11; Teacher in Miss Chamberlayne's School, Boston, 1911-15, and in Madame Rieffel's School, Rosemont, Pa., 1915-16; Reader in French, Bryn Mawr College, 1917-18.

IRENE ROBERTS, *Teacher of Drawing and Modelling, Weaving.*

Student in the Normal Art and Manual Training Course, and General Art Course, Pratt Institute, 1908-10. Teacher of drawing and handwork, Rutgers' Elementary School, New Brunswick, N. J., 1910-12; Teacher of drawing, handwork, and the history of art, The Scudder School for Girls, New York City, 1912-16.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurhythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany, and only authorized Director of the Dalcroze System in the United States.

CONSTANCE M. K. APPEBEE, *Teacher of Gymnastics and Sports and Games.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906. Director of Gymnastics and Athletics, Bryn Mawr College.

ADA HART ARLITT, PH.D., *Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College, Tulane University, 1913; Ph.D., University of Chicago, 1917; Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14, and Fellow in Psychology, University of Chicago, 1914-16; Associate in Educational Psychology, Bryn Mawr College.

M. LEOLA CARRICO, M.D., *Physician of the School.*

B.Sc., University of Chicago, 1914; M.D., Rush Medical College, 1916. Interne, Memorial Hospital, Worcester, Mass., 1916-17. Assistant Resident Physician, Bryn Mawr College.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893. Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97; Examining Oculist of Bryn Mawr College.

The Academic Committee of the Alumnæ

LOUISE BUFFUM CONGDON, A.B. (Mrs. Richard Standish Francis) (*ex officio*), *Haverford Road, BRYN MAWR, PA.*

PAULINE DOROTHEA GOLDMARK, A.B. (*Chairman*), *270 West 94th Street, NEW YORK CITY.*

ELIZABETH SHEPLEY SERGEANT, A.B., *4 Hawthorne Road, BROOKLINE, MASS.*

ESTHER LOWENTHAL, PH.D., *10 West Street, NORTHAMPTON, MASS.*

FRANCES AMELIA FINCKE, A.B. (Mrs. Learned Hand), *142 East 65th Street, NEW YORK CITY.*

FRANCES BROWNE, A.B., *15 East Tenth Street, NEW YORK CITY.*

HELEN EMERSON, A.B., *162 Blackstone Boulevard, PROVIDENCE, R. I.*

KATHERINE LORD, A.B., *The Winsor School, LONGWOOD, BOSTON, MASS.*

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

NEW YORK CITY: MRS. LEARNED HAND, *142 East 65th Street.*

BALTIMORE: MRS. ANTHONY MORRIS CAREY, *1004 Cathedral Street.*

PITTSBURGH, PA.: MRS. ALEXANDER JOHNSTON BARRON, *Glen Osborne, Pa.*

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*

NEW HAVEN, CONN.: MRS. CHARLES McLEAN ANDREWS, *424 St. Ronan Street.*

FARMINGTON, CONN.: MRS. HERBERT KNOX SMITH.

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, *19 Buckingham Street, Cambridge.*

FALL RIVER, MASS.: MRS. RANDALL NELSON DURFEE, *19 Highland Avenue.*

CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, *Hubbard Woods, Ill.*

INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, *42 East 32nd Street.*

MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, *633 Francis Street.*

MINNEAPOLIS, MINN.: MRS. HAROLD OLNEY HUNT, *2221 Humboldt Avenue, South.*

ST. LOUIS, MO.: MRS. GEORGE GELLHORN, *4366 McPherson Avenue.*

PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, *Inwood, Hewett Boulevard, Hillsdale.*

LOS ANGELES, CAL.: MISS ELIZABETH DANA MARBLE, *421 West Adams Street.*

SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, *177 18th East Street.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *11 St. Leonard's Terrace, Chelsea, London.*

STUDENTS.

Fellows, Scholars, and Graduate Students for the Year 1917-18.

THALIA HOWARD SMITH DOLE†.....*Bryn Mawr European Fellow.**

New York City. Prepared by the Hawthorne School, New York City. First Bryn Mawr Matriulation Scholar for New York, New Jersey and Delaware, 1912-13; James E. Rhoads Sophomore Scholar, 1914-15; James E. Rhoads Junior Scholar, 1915-16; Maria L. Eastman Brooke Hall Memorial Scholar, 1916-17. A.B., Bryn Mawr College, 1917. Secretary to the President, Bryn Mawr College, 1917-18.

BIRD MARGARET TURNER,.....*President's European Fellow.**

Moundsville, W. Va. A.B., West Virginia University, 1915, and A.M., 1916. Student Assistant in Mathematics, University of West Virginia, 1913-15; Graduate Student in Mathematics, University of West Virginia, 1914-15; and Assistant in the Summer School, 1914 and 1915; Principal of the High School, Moundsville, 1915-16; Graduate Scholar in Mathematics, Bryn Mawr College, 1916-17; Assistant Director of the Phebe Anna Thorne Model School, 1917-18.

HAZEL GRANT ORMSBEE,.....*Mary E. Garrett European Fellow.**

Ithaca, N. Y. A.B., Cornell University, 1915. Carola Woerishoffer Scholar in Social Economy and Social Research, Bryn Mawr College, 1915-16, and Fellow, 1916-17.

LUCY REED POWELL,.....*Fellow in Greek.*

Seattle, Wash. A.B., Barnard College, 1913, and A.M., Columbia University, 1914. Teacher of History and Latin in the Annie Wright Seminary, Tacoma, Wash., 1914-17.

LOUISE ELIZABETH WHETENHALL ADAMS,.....*Fellow in Latin.*

Brooklyn, N. Y. A.B., Barnard College, 1914, and A.M., 1915. Graduate Student, Columbia University, 1914-15; Graduate Scholar in Greek, Bryn Mawr College, 1915-16; Special European Fellow of Bryn Mawr College and Student in the American Academy in Rome, 1916-17.

ESTHER CLOUDMAN DUNN,.....*Fellow in English.**

South Portland, Me. A.B., Cornell University, 1913. Lecturer in English, Maine State Summer School, 1914; Reader in English, Bryn Mawr College, 1914-16, Instructor in English, 1916-17, and Instructor in English Composition and Acting Director of the work in First and Second Year English Composition, 1917-18.

OLGA MARX,.....*Fellow in German.*

New York City. A.B., Barnard College, 1915, and A.M., Columbia University, 1917. Graduate Student, Columbia University, 1916-17.

BEATRICE ALLARD,.....*Fellow in Semitic Languages.*

Boston, Mass. A.B., Mount Holyoke College, 1915. Graduate Scholar in Semitic Languages and Biblical Literature, Bryn Mawr College, 1915-16, and Fellow in Semitic Languages, 1916-17.

MARGARET WOODBURY,.....*Fellow in History.*

Columbus, O. A.B., Ohio State University, 1915. Graduate Scholar in History, Bryn Mawr College, 1915-16, and Fellow in History, 1916-17.

HELEN ADAIR,.....*Fellow in Economics and Politics.*

Kearney, Neb. A.B., Barnard College, 1914, and A.M., Columbia University, 1916.

AGNES MARY HADDEN BYRNES,

Carola Woerishoffer Fellow in Social Economy and Social Research.

Evanston, Ill. A.B., Northwestern University, 1915; A.M., Columbia University, 1916. Susan B. Anthony Memorial Scholar in Bryn Mawr College, 1916-17.

* Fellowship deferred.

† Mrs. Harold Sanford Dole.

- GEORGIA LOUISE BAXTER,**.....*Fellow in Social Economy and Social Research.*
Berkeley, Cal. A.B., University of Denver, 1914; A.M., University of California, 1917.
Matron, Colorado State Industrial School for Girls, 1914-15; Work in Juvenile Court
in San Francisco and with State Industrial Welfare Industrial Accident Commission,
1913-17.
- EDITH FRISBIE,**.....*Fellow in Philosophy.*
Berkeley, Cal. B.L., University of California, 1914. Graduate Student, University of
California, 1915-17. Substitute Playground Supervisor, Oakland Recreation Depart-
ment, 1916-17; Supervisor of City Hall Playground, Berkeley, Jan. to June, 1916.
- MARY RUTH ALMACK,**.....*Fellow in Psychology.*
Coshoccon, O. A.B., Ohio State University, 1915, and A.M., 1916. Fellow in Psychology,
Bryn Mawr College, 1916-17.
- NELLIE BOYD DRAKE,**.....*Fellow in Education.*
Broken Bow, Neb. A.B., University of Nebraska, 1911, and A.M., 1914. University of
Chicago, summer quarters 1915 and 1916. Assistant Principal of High School, Wood
River, Nebr., 1911-12. Professor of Philosophy and Education, Buena Vista College,
Storm Lake, Ia., 1914-17.
- JANET MALCOLM MACDONALD,**.....*Fellow in Archæology.*
Fort Dodge, Ia. A.B., Morningside College, 1910; A.M., University of Illinois, 1913.
Graduate Scholar in Archæology, Bryn Mawr College, 1915-17. Assistant Principal
in the High School, Aurelia, Ia., 1911-12; and Instructor in Latin, Morningside College,
1913-15.
- ELSIE TOBIN,**.....*Fellow in Chemistry.*
Brooklyn, N. Y. B.S., Barnard College, 1915. Graduate Scholar in Chemistry, Bryn
Mawr College, 1915-17.
- ELEANOR MARY LORENZ,**.....*Fellow in Geology.*
Cincinnati, O. A.B., University of Cincinnati, 1913. Graduate Student, University of
Cincinnati, 1913-17. Teacher in the Public Schools of Cincinnati, 1913-17.
- DOROTHY AUSTIN SEWELL,**.....*Fellow in Biology.*
Walton, N. Y. A.B., Smith College, 1916. Cornell University, 1916-17.
- HELEN MARIE HARRIS,**
Bryn Mawr Intercollegiate Community Service Association Fellow.
Willow Grove, Pa. A.B., Bryn Mawr College, 1917.
- MABEL VAUGHAN KITSON,**.....*British Scholar.*
Wakefield, England. Newnham College, Cambridge, 1913-16; Mediæval and Modern
Languages Tripos, 1916. British Scholar, Bryn Mawr College, 1916-17.
- MARGARET RUSSELL CLARKE,**.....*British Scholar.**
Birmingham, England. Girton College, Cambridge, 1914-17. Classical Tripos, 1917.
- ELLEN MARY SANDERS,**.....*British Scholar.*
Cheltenham, England. B.A., University of London; B.A., University of Bristol; *Docteur
en Géographie Physique* of the University of Paris, 1914. Teacher of Geography in
Cheltenham Ladies College, 1914-17.
- FRANCESCA HELEN STEAD,**.....*British Scholar.**
London, England. Newnham College, Cambridge, 1914-17. Economics Tripos, Part 1,
Class 1, 1916; Part 2, 1917.
- MARGUERITE MURIEL CULPEPPER POLLARD,**.....*British Scholar.**
Oxford, England. Honour School of English Literature and Language, Oxford University,
1907. Diploma in Education, 1907. Graduate Student, University of Oxford, 1915-17;
University of Lausanne and Geneva, 1913; Cornell University, summer, 1914.
- MARIE SCHOELL,**.....*French Scholar.*
Chartres, France. Holder of the Certificat d'aptitude à l'enseignement de l'anglais, 1914;
Sorbonne, 1913-14; University of Bordeaux, 1916-17; Diplôme d'études supérieures,
1916-17. Teacher in the Brioude School, 1915-16.

* Scholarship deferred.

- JULIETTE PADÉ**,.....*French Scholar.*
Besançon, France. Student in the Lycée de Besançon, 1914-15. Teacher in the Bryn-Julas School, Llandulas, North Wales, 1913-14, and in the High School, Bournemouth, England, 1915-16; Student, University of Paris, 1916-17.
- MADELEINE SARAH TITAU POURÉSY**,.....*French Scholar.*
Bordeaux, France. Student in the University of Bordeaux, 1912-17. Licenciée-ès-lettres, University of Bordeaux, 1913; Diplôme d'études supérieures in History, 1914, in English, 1917.
- MADELEINE CHARLOTTE FABIN**,.....*French Scholar.*
Bordeaux, France. Student, The Sorbonne, 1911-12; University of Bordeaux, 1916, 1916-17. Certificat d'aptitude à l'enseignement de l'anglais, 1916; Diplôme d'études supérieures d'anglais, 1917. Senior French Mistress, Girl's Collegiate School, Leicester, England, 1914-15; Professor of English, Lycée de Garçons de Rochefort, 1916-17.
- ALINE CHALUFOUR**,.....*French Scholar.*
Boulogne-sur-Seine, France. Student in the University of Paris and at the Sorbonne, Paris, 1916-17; Student of the Lycée Molière, 1910-16; Bachelière in Latin and Philosophy, 1916.
- ELIZABETH DARLINGTON ADAMS**,.....*English.*
New London, Conn. A.B., Vassar College, 1915. Graduate Scholar in English, 1915-16; Instructor in English and Athletics, The Harcum School, Bryn Mawr, Pa., 1916-18.
- MARY MARTHA BAUSCH**,.....*Scholar in German.*
Everett, Pa. A.B., Pennsylvania College, 1911. Teacher in the Hollidaysburg School, Hollidaysburg, Pa., 1911-13; Assistant Principal, the High School, Bedford, Pa., 1913-17.
- ENID ROSE BELL**,.....*Economics.*
Jacksonville, O. A.B., Ohio University, 1916. Cornell University, 1915-16, Semester I, 1916-17. Stenographer to the President, Bryn Mawr College, 1917.
- KATHARINE RAYNOLDS BELL**, *Scholar in Social Economy and Social Research.*
Ithaca, N. Y. A.B., Cornell University, 1917.
- SUE AVIS BLAKE**,.....*Physics.*
Merion, Pa. A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06, 1915-17; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, Bryn Mawr College, 1906-07; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.
- ELLIDA JULIE BREIDABLIK**,.....*German and History of Art.*
Madison, Wis. A.B., University of Wisconsin, 1916. Teacher of Norse in the High School, Madison, 1915-16, and of English and Norse in the High School, Stoughton, Wis., 1916-17.
- EVA ALICE WORRALL BRYNE**,.....*Scholar in English.*
Philadelphia. A.B., Bryn Mawr College, 1916, and A.M., 1917. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1912-16; James E. Rhoads Sophomore Scholar, 1913-14; James E. Rhoads Junior Scholar, 1914-15; Anna M. Powers Memorial Scholar, 1915-16; Graduate Scholar in Latin, Bryn Mawr College, 1916-17.
- CLARE WILHELMINA BUTLER**,
Robert G. Valentine Scholar in Social Economy and Social Research.
St. Louis, Mo. A.B., Vassar College, 1909. Teacher of Mathematics and Science in Lindenwood College, St. Charles, Mo., 1909-10; Medical Social Work, Massachusetts Charitable Eye and Ear Infirmary, Boston, 1916-17.
- MARY HENDRICKS CHAMBERS**,.....*Biology.*
Eugene, Ore. A.B., University of Oregon, 1917.
- JEANNE CHÉRON**,.....*English.*
Paris, France. Licenciée-ès-lettres, University of Paris, 1908. Instructor in French, Wellesley College, 1909-11; Teacher in Miss Chamberlayne's School, Boston, 1911-15, and in Madame Rieffel's School, Rosemont, Pa., 1915-16; Teacher of French in the Phebe Anna Thorne Model School, 1916-18; Reader in French, Bryn Mawr College, 1917-18.

- ALICE SQUIRES CHEYNEY**, . . . *Scholar in Social Economy and Social Research*.
Philadelphia. A.B., Vassar College, 1909. Philadelphia Training Course for Social Workers, 1909-10; Graduate Student, University of Pennsylvania, 1910-11; Bryn Mawr College, 1915-16; University of Wisconsin, 1916-17; Agent of Philadelphia Children's Bureau, 1909-11; Investigator for Philadelphia Consumers' League, 1910-11; Investigator for Massachusetts Commission on Minimum Wage Boards, 1910-11; New York State Factory Investigating Commission, 1913-14.
- OLIVE KELLEY CRAIG**, * . . . *French*.
Radnor, Pa. A.B., Bryn Mawr College, 1909.
- MARIANNA DICKINSON**, . . . *Earlham College Scholar*.
Boonville, Mo. A.B., Earlham College, 1917.
- GENEVA HOLLIDAY DRINKWATER**, . . . *Scholar in Latin*.
Charleston, Mo. A.B. and B.S. in Education, University of Missouri, 1917.
- BERTHA SOPHIE EHLERS**, . . . *Archæology*.
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13; Warden of Radnor Hall, 1913-17, and of Denbigh Hall, 1917-18.
- LEAH HANNAH FEDER**, . . . *Scholar in Social Economy and Social Research*.
Passaic, N. J. A.B., Mount Holyoke College, 1917.
- MARY DRUSILLA FLATHER**, . . . *Biology*.
Lowell, Mass. Ph.B., Women's College in Brown University, 1917. Laboratory Assistant in Comparative Anatomy, Brown University, 1916-17.
- ALICE DARCI FRANKLIN**, . . . *Scholar in History of Art*.
New York City. A.B., Barnard College, 1916. Graduate Scholar in History of Art, 1916-17.
- LEONA CHRISTINE GABEL**, . . . *Scholar in History*.
Syracuse, N. Y. A.B., Syracuse University, 1915. Columbia University, summer session, 1916. Teacher in the High School, Canastota, N. Y., 1915-17.
- WINIFRED GOODALL**, . . . *Scholar in English Composition*.
Cincinnati, O. A.B., Bryn Mawr College, 1914; A.M., Columbia University, 1917. Teacher of English and History in Miss Kendrick's School, Cincinnati, 1915-16.
- BERTHA CLARK GREENOUGH**, . . . *Scholar in Economics and Politics*.
Providence, R. I. A.B., Bryn Mawr College, 1917.
- MARION REBECCA HALLE**, . . . *English*.
Cleveland, O. A.B., Bryn Mawr College, 1917.
- ANNE BERYL GRIFFIN HART**, . . . *Scholar in English*.
Iowa City, Ia. A.B., University of Iowa, 1911, and A.M., 1913. Fellow in English, University of Iowa, 1912-13, and Instructor in English, 1913-17.
- ISTAR ALIDA HAUPT**, . . . *Scholar in Psychology*.
Roland Park, Md. A.B., Bryn Mawr College, 1917.
- GRACE ETHEL HAWK**, . . . *Scholar in English*.
Reading, Pa. A.B., Brown University, 1917, and holder of the Annie Crosby Emery Scholarship of Brown University, 1917-18.
- ALICE MARTIN HAWKINS**, . . . *Archæology*.
Philadelphia. A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Mt. Airy, Philadelphia, 1907-08, and in the Friends' School, Germantown, Philadelphia, 1908-09; Warden of Merion Hall, Bryn Mawr College, 1916-18.
- HELEN RUTH HIBBARD**,
 Carola Woerishoffer Scholar in Social Economy and Social Research.
East Lansing, Mich. A.B., Wellesley College, 1894, and A.M., 1916. Teacher in Miss Williams's School, Worcester, Mass., 1894-95, in Monson Academy, Monson, Mass., 1895-99, in the Hillside School, Norwalk, Conn., 1900-01; Graduate Student, Wellesley College, 1915-16.

* Mrs. George Craig Craig.

- CATHERINE UTLEY HILL,* *Social Economy and Social Research*.
Bridgeport, Conn. A.B., Bryn Mawr College, 1907. Social Worker, 1905-17.
- ELIZABETH PINNEY HUNT,† *Politics*.
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1912. Student in Training School, Bureau of Municipal Research, New York City, 1912-13; Legislative Reference Assistant and General Investigator, Office of National Progressive Service, New York City and Boston, 1913-14; Volunteer Social Worker, 1916-17.
- FLORENCE CATHERINE IRISH, *History*.
Norristown, Pa. A.B., Bryn Mawr College, 1914, and A.M., 1916. Graduate Student, Bryn Mawr College, 1915-16.
- MILDRED CLARKE JACOBS,
..... *Carola Woerishoffer Scholar in Social Economy and Social Research*.
Philadelphia. A.B., Bryn Mawr College, 1916.
- SYLVIA CANFIELD JELLIFFE, . . . *Sanskrit, Romance Philology and Archæology*.
New York City. A.B., Bryn Mawr College, 1917.
- MARIAN CLEMENTINE KLEPS, *Mathematics*.
A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916. Assistant to the Recording Secretary, 1916-17; Reader in Mathematics, 1917-18.
- HELEN LATHROP, *History of Art*.
Oakland, Cal. A.B., Leland Stanford Jr. University, 1902. Reference Librarian, Leland Stanford Jr. University Library, 1907-10; Oakland Free Library, 1912-17.
- MARGARET KUHN LESTER, *Education and Archæology*.
Beaver Falls, Pa. B.S., Geneva College, 1907. Teacher of Latin and German, 1907-17.
- AMELIA KELLOGG MACMASTER, *Scholar in Philosophy*.
Elizabeth, N. J. A.B., Bryn Mawr College, February 1917; and Graduate Scholar in Philosophy and Special Scholar, second semester, 1916-17.
- MARGARET GEORGIANA MELVIN, *Scholar in Philosophy*.
New Brunswick, Canada. A.B., Royal Victoria College, McGill University, with honours in English and Philosophy, 1917.
- MARJORIE JOSEPHINE MILNE, *Scholar in Greek*.
Duluth, Minn. A.B., Bryn Mawr College, 1917.
- NORA MAY MOHLER, *Scholar in Mathematics*.
Carlisle, Pa. A.B., Dickinson College, 1917.
- MARY FRANCES NEARING, *English and Geology*.
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14; Warden of Rockefeller Hall and Graduate Student, Bryn Mawr College, 1914-18.
- INEZ MAY NETERER, *Scholar in Social Economy and Social Research*.
Seattle, Wash. A.B., Mills College, 1916. Graduate Scholar in Social Economy and Social Research, Bryn Mawr College, 1916-17.
- HAZEL GRANT ORMSBEE, *Social Economy and Social Research*.
Ithaca, N. Y. A.B., Cornell University, 1915. Carola Woerishoffer Scholar in Social Economy and Social Research, Bryn Mawr College, 1915-16, and Fellow, 1916-17.
- MARY ISABELLE O'SULLIVAN, *Scholar in English Composition*.
Philadelphia. A.B., Bryn Mawr College, 1907; New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, Philadelphia, 1909-15; Cataloguer, New York Public Library, 1916-17.
- GLADYS LOUISE PALMER, . . . *Scholar in Social Economy and Social Research*.
Philadelphia. A.B., Barnard College, 1917.

* Mrs. George Edwin Hill.

† Mrs. Andrew Dickson Hunt.

HELEN ELIZABETH PATCH,.....*Scholar in Romance Languages.*
Bangor, Maine. A.B., Mount Holyoke College, 1914. Teacher in the East Maine Conference Seminary, 1914-16, and in the High School Bangor, 1916-17.

ELEANOR FERGUSON RAMBO,.....*Fellow by Courtesy in Archaeology.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1908, A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10, and in Archaeology, 1911-12, 1915-16, Scholar in Archaeology, 1914-15, and Fellow, 1916-17; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-11; Teacher of Latin in Miss Wright's School, Bryn Mawr, and Private Tutor, 1911-18; Teacher of Latin and Greek in the Phebe Anna Thorne Model School, 1917-18.

HELEN ROSS,
Susan B. Anthony Memorial Scholar in Social Economy and Social Research.

Independence, Mo. A.B. and B.S., University of Missouri, 1911. Graduate Student, University of Missouri, 1916-17. Teacher of English in the High School, Independence, 1911-16, and in the High School, Columbia, Mo., 1916-17; Teacher and Supervisor, Evening School for Immigrants, Jewish Educational Institute, Kansas City, Mo., 1911-15.

RYU SATO,.....*Scholar in Chemistry.*
Tokyo, Japan. A.B., Bryn Mawr College, 1917.

MARY INA SHAMBURGER,.....*Guilford College Scholar.*
Star, N. C. A.B., Guilford College, 1917.

ISABEL F. SMITH,.....*Scholar in Geology.*
Los Angeles, Cal. A.B., Bryn Mawr College, 1915. Teacher in Miss Wheeler's School, Providence, R. I., 1915-17.

MARIA WILKINS SMITH,.....*Latin.*
St. Davids, Pa. A.B., Bryn Mawr College, 1906. Private Tutor, 1906-07, 1914-15; Principal of Class for Girls, Philadelphia, 1907-12; Business Manager, Bryn Mawr College, 1912-13; Accountant for Peacock Exchange, 1914; Teacher in the Baldwin School, 1914, and of Latin and Mathematics in the Shipley School, Bryn Mawr, 1915-18.

ELIZABETH KLINE STARK,.....*Psychology.*
Rochester, N. Y. A.B., Bryn Mawr College, 1916. Assistant Demonstrator in Experimental Psychology, 1916-18.

LINNIE J. STEDDOM,.....*Penn College Scholar.*
Oskaloosa, Ia. Ph.B., Penn College, 1917.

FRANCES HOWARD TETLOW,.....*Social Economy and Social Research.*
Brookline, Mass. A.B., Radcliffe College, 1908. Teacher of English Composition in the Winsor School, Boston, 1909-15; Graduate Student, Bryn Mawr College, 1915-16, University of Wisconsin, 1916-17.

AGNES CARR VAUGHAN,.....*Ph.D. Scholar and Fellow by Courtesy.*
Tampa, Fla. A.B., Galloway College, 1907; A.M., University of Michigan, 1910, and Ph.D., 1917. Fellow, University of Michigan, 1910-11, 1916-17; Teacher in Grade Schools, 1907-09; Associate in Greek and Latin, Hardin College, Mexico, Mo., 1911-15; Fellow in Greek, Bryn Mawr College, 1915-16.

AMEY EATON WATSON,*.....*Social Economy and Social Research.*
Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910. Teacher in Miss Wheeler's School, Providence, R. I., 1907-08; Instructor in the Department of Social Science, University of Utah, 1912.

MILDRED MCCREARY WILLARD,.....*Scholar in Psychology.*
Merion, Pa. A.B., Bryn Mawr College, 1917.

LETITIA BUTLER WINDLE,.....*Education.*
West Chester, Pa. A.B., Bryn Mawr College, 1907. Secretary and Teacher of Mathematics, Wykeham Rise School, Washington, Conn., 1907-08; Assistant Agent, Federated Charities of Baltimore, 1908-09; Teacher of Mathematics in the Stevens School, Germantown, 1909-15, and in the Gordon-Roney School, Philadelphia, 1915-16. Warden of Radnor Hall, 1917-18.

* Mrs. Frank D. Watson.

MABEL PAULINE WOLFF,..... *Economics and Politics*.
 Myerstown, Pa. A.B., Barnard College, 1905; A.M., Columbia University, 1915.
 Teacher, Public School, Patton, Pa., 1905-06; Allentown College for Women, 1906-07;
 Paulsboro High School, Gloucester City, N. J., 1907-11; Washington Seminary,
 Washington, Pa., 1911-14, Leominster High School, Leominster, Mass., 1915-16; Teacher
 in the Phebe Anna Thorne Model School, 1916-18.

Undergraduate Students, Academic Year, 1917-18.

ALLEN, DOROTHY BLAIR,..... *Group, French and ———*, 1916-18.
 Montclair, N. J. Prepared by the Kimberley School, Montclair, N. J.

ALLISON, FRANCES EKin,..... *Group, Latin and English*, 1915-18.
 St. Louis, Mo. Prepared by the Mary Institute, St. Louis.

ANDERTON, VIRGINIA WALLIS, *Group, Latin and Ancient History*, 1914-18.
 Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the
 Misses Kirk's School, Bryn Mawr, Pa.

ANDREWS, MARY BARTOW,..... *Group, Chemistry and Biology*, 1913-18.
 Englewood, N. J. Prepared by the High School, Englewood, and by the Misses Shipley's
 School, Bryn Mawr, Pa.

ARCHBALD, MARGARETTA THOMPSON,..... *Group ———*, 1917-18.
 Pottsville, Pa. Prepared by the High School, Pottsville, and by the Shipley School, Bryn
 Mawr, Pa.

ARNOLD, ISABEL HART,
Group, Greek and Philosophy and Psychology, 1916-18.
 Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by the Misses
 May's School, Boston, Mass. New England States Matriculation Scholar, 1916-17.

ATHERTON, ELEANOR RIGGS,
Group, Modern History and Economics and Politics, 1914-18.
 Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.

BABBITT, MARY EVELYN,
Group, Modern History and Economics and Politics, 1914-18.
 Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. and by the
 Westtown Boarding School, Westtown, Pa.

BACON, MARGARET HOWELL,..... *Group, Psychology and Biology*, 1914-18.
 Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, and by the
 Westtown Boarding School, Westtown, Pa.

BAILEY, GEORGIA REILY,
Group, Modern History and History of Art, 1915-18.
 Harrisburg, Pa. Prepared by the Seiler School, Harrisburg, and by St. Timothy's School,
 Catonsville, Pa.

BAILEY, MARTHA,
Group, Modern History and Economics and Politics, 1914-18.
 Harrisburg, Pa. Prepared by the Seiler School, Harrisburg, and by St. Timothy's School,
 Catonsville, Md.

BALDWIN, HENRIETTA ELIZABETH,..... *Group, ———*, 1917-18.
 Williamsport, Pa. Prepared by the High School, Williamsport, and by the Misses Kirk's
 School, Bryn Mawr, Pa.

BALDWIN, MARY,..... *Group, ———*, 1917-18.
 Garden City, N. Y. Prepared by the Brearley School, New York City.

BALLOU, MARGARET HOWLAND,
Group, English and Philosophy and Psychology, 1916-18.
 Marblehead, Mass. Prepared by Miss Howe's School, Salem, Mass., by the Salem High
 School, by the Baldwin School, Bryn Mawr, Pa., and by private tuition.

- BANKS, MINOR WHITE,.....*Group*, ———, 1917-18.
Hernando, Miss. Prepared by the Shipley School, Bryn Mawr, Pa.
- BARRETTE, KATHARINE BIDDLE,....*Group, English and French*, 1915-18.
Fort Howard, Md. Prepared by the Hampton College, Hampton, Va., by the Waynflete School, Portland, Me., by Ashley Hall, Charleston, S. C., by the Packer Collegiate Institute, Brooklyn, N. Y., and by the Bryn Mawr School, Baltimore, Md.
- BARTON, CATHERINE,.....*Group*, ———, 1917-18.
Omaha, Neb. Prepared by the Mary C. Wheeler School, Providence, R. I., and by private tuition.
- BEATTY, FREDERIKA,.....*Group, English and* ———, 1915-18.
Athens, Ga. Prepared by the Lucy Cobb Institute, Athens.
- BECKWITH, LYDIA LOVE,.....*Group, Philosophy and* ———, 1917-18.
Chicago, Ill. Prepared by the Girls' Latin School, Chicago, and by Rosemary Hall, Greenwich, Conn.
- BELVILLE, SYDNEY OTT,
Group, Latin and Classical Archæology, 1914-15, 1916-18.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- BENNETT, HELEN ADELAIDE,.....*Group*, ———, 1917-18.
Pittsburgh, Pa. Prepared by the Dilworth Hall, Pittsburgh, and by the Pennsylvania College for Women, Pittsburgh. Pittsburgh Bryn Mawr Club Scholar, 1917-18.
- BETTMAN, MARIAN ROSE,.....*Group, Chemistry and Biology*, 1915-18.
Cincinnati, O. Prepared by the University School, Cincinnati.
- BICKLEY, CATHERINE ELIZABETH, *Group, Economics and* ———, 1917-18.
Philadelphia. Prepared by the Shipley School, Bryn Mawr, Pa.
- BIDDLE, ELIZABETH R.,
Group, Economics and Politics and Philosophy and Psychology, 1915-18.
Wallingford, Pa. Prepared by the Friends' Select School, Philadelphia, and by the Westtown Boarding School, Westtown, Pa.
- BILLSTEIN, FLORENCE WARRINGTON,.....*Group*, ———, 1917-18.
Riderwood, Md. Prepared by the Bryn Mawr School, Baltimore, and by private tuition.
- BISSELL, CONSTANCE BONNER,
Group, Spanish and Italian and ———, 1917-18.
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by private tuition. Wells College, 1916-17.
- BLISS, ELEANOR ALBERT,.....*Group*, ———, 1917-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BLUE, AUGUSTA LYELL,.....*Group, Mathematics and Physics*, 1915-18.
Charlottesville, Va. Prepared by St. Anne's School, Charlottesville, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BOLAND, ELIZABETH COLE,.....*Group*, ———, 1917-18.
Binghamton, N. Y. Prepared by Rosemary Hall, Greenwich, Conn., and by private tuition.
- BOLTON, CECILE BALDWIN,.....*Group, English and* ———, 1917-18.
Charlottesville, Va. Prepared by St. Anne's School, Charlottesville.
- BOOTH, ANNA MARTHA,.....*Group, Latin and English*, 1914-18.
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- BORN, THERESE MATHILDE,.....*Group, Latin and English*, 1914-18.
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis. Bryn Mawr Matriculation Scholar for the Western States, 1914-15; Elizabeth S. Shippen Scholar in Foreign Languages, 1917-18.
- BOSWELL, ELEANORE,.....*Group, English and* ———, 1917-18.
Philadelphia. Prepared by the High School, Germantown, and by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1917-18.

- BOYD, MARY, *Group, Modern History and Economics and Politics*, 1913-18.
New York City. Prepared by the Veltin School, New York City.
- BOYNTON, ZELLA DETMOULD, *Group, Modern History and ———*, 1916-18.
New York City. Prepared by the Latin School, Chicago, Ill., and by the Brearley School, New York City.
- BRACE, ELIZABETH,
Group, Modern History and Economics and Politics, 1916-18.
New York City. Prepared by the Misses Masters's School, Dobbs Ferry, N. Y., and by the Brearley School, New York City.
- BRANSON, FRANCES GARRETT,
Group, Economics and Politics and Psychology, 1915-18.
Rosemont, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- BRETZ, MARION STARR,
Group, Modern History and Economics and Politics, 1916-18.
Harrisburg, Pa. Prepared by the High School, Harrisburg, Pa., and by private tuition.
- BROMELL, BEATRICE BRUNSWICK, . . . *Group, English and ———*, 1916-18.
Brooklyn, N. Y. Prepared by the Girls' High School, Brooklyn, and by private tuition.
- BROOMFIELD, MABEL MAY,
Group, Modern History and Economics and Politics, 1915-18.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia City Scholar, 1915-18.
- BROWN, JANE LOGAN, *Group, ———*, 1917-18.
Springfield, Ill. Prepared by the High School, Springfield, by Rosemary Hall, Greenwich, Conn., and by private tuition.
- BROWN, MADELAINE RAY, *Group, ———*, 1916-18.
Providence, R. I. Prepared by the Lincoln School, Providence.
- BROWN, MIRIAM BURKLOE, *Group, ———*, 1916-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Mary Anna Longstreth Memorial Scholar, 1916-17; Special Scholar, 1917-18.
- BUFFUM, FRANCES,
Group, Economics and Politics and Philosophy and Psychology, 1914-18.
Cohasset, Mass. Prepared by the High School, Cohasset, and by private tuition.
- BUTLER, MARGARET ELISABETH,
Group, Economics and Politics and Psychology, 1915-18.
St. Paul, Minn. Prepared by the Visitation Convent, St. Paul, and by Mrs. Backus's School for Girls, St. Paul.
- BUTLER, MIRIAM, *Group, ———*, 1916-18.
Philadelphia. Prepared by Friends' Graded School, West Chester, Pa., and by the Agnes Irwin School, Philadelphia.
- BUTTENWIESER, HILDA, *Group, ———*, 1916-18.
Cincinnati, O. Prepared by the University School, Cincinnati.
- BUTTERFIELD, HELEN IOLA,
Group, Modern History and History of Art, 1914-18.
New York City. Prepared by Miss Madeira's School, Washington, D. C., and by the Misses Kirk's School, Bryn Mawr, Pa.
- CADOT, LOUISE FONTAINE, *Group, ———*, 1917-18.
Richmond, Va. Prepared by the Virginia Randolph Ellett School, Richmond.
- CANBY, MARJORIE WISTAR, *Group, ———*, 1916-18.
Philadelphia. Prepared by the Friends' Preparative Meeting School, Germantown.
- CAREY, MARGARET MILLICENT, *Group, Greek and ———*, 1916-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Pennsylvania and Southern States Matriculation Scholar and Bryn Mawr School Scholar, 1916-17.

- CARNS, DOROTHY JANE,.....*Group, English and ———*, 1917-18.
Lincoln, Neb. A.B., 1916, and B.Sc., 1917, University of Nebraska.
- CARUS, MARY ELISABETH,.....*Group, Chemistry and Biology*, 1915-18.
La Salle, Ill. Prepared by the La Salle-Peru Township High School, La Salle. University of Chicago, 1914-15.
- CARY, MARGARET SNELL,.....*Group, ———*, 1916-18.
Baltimore, Md. Prepared by the Park Avenue Friends' School, Baltimore, by private tuition and by the Westtown School, Westtown, Pa. Foundation Scholar, 1916-18.
- CARY, MARY KATHARINE,.....*Group, Chemistry and Biology*, 1916-18.
Richmond, Va. Prepared by The Virginia Randolph Ellett School, Richmond.
- CASSEL, GLADYS HAGY,.....*Group, Latin and English*, 1914-18.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1914-18; Special Scholar, 1915-16.
- CAULDWELL, KATHARINE,.....*Group, ——— and Biology*, 1916-18.
New York City. Prepared by Miss Ethel Walker's School, Lakewood, N. J.
- CECIL, ELIZABETH BARNETT,.....*Group, ———*, 1917-18.
Richmond, Va. Prepared by the Virginia Randolph Ellett School, Richmond.
- CHADBOURNE, EMILY ROXANA,...*Group, Physics and Chemistry*, 1915-18.
Waban, Mass. Prepared by the Brimmer School, Boston, Mass.
- CHAMBERS, DOROTHEA NESBITT,
Group, Modern History and Economics and Politics, 1915-18.
Adana, Turkey. Prepared by the Utica Free Academy, Utica, N. Y.
- CHASE, MARTHA FRANCES,.....*Group, Greek and French*, 1916-18.
Concord, Mass. Prepared by the High School, Concord, and by the Concord School for Girls.
- CHASE, MARY AYER, *Group, Modern History and History of Art*, 1916-18.
Chicago, Ill. Prepared by St. Timothy's School, Catonsville, Md.
- CHURCHILL, MABEL HARLAKENDEN,.....*Group, ———*, 1917-18.
Windsor, Vt. Prepared by St. Timothy's School, Catonsville, Md.
- CLARK, DARTHELA,.....*Group, French and ———*, 1916-18.
Philadelphia. Prepared by Miss Landstreet's School, Philadelphia, and by Miss Wright's School, Bryn Mawr, Pa.
- CLARKE, FRANCES CHASE,
Group, Modern History and Economics and Politics, 1915-18.
Providence, R. I. Prepared by Miss Wheeler's School, Providence.
- COCHRAN, JULIA NEWTON,.....*Group, English and Philosophy*, 1916-18.
The Plains, Va. Prepared by the Bryn Mawr School, Baltimore, Md.; Maria Hopper Sophomore Scholar, 1917-18.
- COLLINS, AMY WHIPPLE,
Group, Modern History and Economics and Politics, 1915-18.
Charleston, W. Va. Prepared by the College Preparatory School of Cincinnati, and by the Baldwin School, Bryn Mawr, Pa.
- COLLINS, ELEANOR,.....*Group, Mathematics and Physics*, 1917-18.
Purchase, N. Y. Prepared by the Brearley School, New York City.
- COLLINS, HAZEL STEELE,.....*Group, Mathematics and Physics*, 1915-18.
Gloversville, N. Y. Wellesley College, 1914-15.
- COLMAN, CHARLOTTE KEHL,.....*Group, ———*, 1916-18.
La Crosse, Wis. Prepared by the High School, La Crosse, and by the Mary C. Wheeler School, Providence, R. I.

- CONKLIN, JULIA CECILIA, *Group*, ———, 1916-18.
Huntington, L. I., N. Y. Prepared by Miss Spence's School, New York City.
- CONOVER, HELEN FIELD, *Group, English and French*, 1915-18.
Bay City, Mich. Prepared by the Eastern High School, Bay City.
- COOLIDGE, ANNE, *Group*, ———, 1916-18.
Brookline, Mass. Prepared by the Winsor School, Brookline.
- COOMBS, SARAH VIRGINIA, *Group, English and French*, 1915-18.
Scarsdale, N. Y. Prepared by the Lockwood Collegiate School, Scarsdale.
- COOPER, ELEANOR STEWARD, *Group, English and German*, 1915-18.
Lansdowne, Pa. Prepared by the Swarthmore Preparatory School and by the Mary Lyon School, Swarthmore, Pa.
- COPE, ELIZABETH FRANCIS, *Group*, ———, 1917-18.
Philadelphia. Prepared by Springside, Chestnut Hill, Philadelphia, and by the Westtown Boarding School, Westtown, Pa.
- COWEN, KATHARINE MUIR, *Group*, ———, 1917-18.
Salem, Mass. Prepared by Miss Howe's School, Salem, and by the Misses May's School, Boston, Mass.
- CRAFT, EVALYN CECILIA, *Group*, ———, 1917-18.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Charles E. Ellis Scholar, 1917-18.
- CRILE, MARGARET HARRIS, *Group*, ———, 1917-18.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- CURTIN, FRANCES BIRDA,
..... *Group, Economics and Politics and Psychology*, 1913-18.
Clarksburg, W. Va. Prepared by the High School, Clarksburg, and by the Misses Shipley's School, Bryn Mawr, Pa.
- DAVIE, GERTRUDE EVANS, *Group*, ———, 1917-18.
Chicago, Ill. Prepared by the Shipley School, Bryn Mawr, Pa.
- DAVIS, ELEANOR BUSHNELL, *Group*, ———, 1916-18.
Philadelphia. Prepared by the Friends' School, Germantown, by the Springside School, Chestnut Hill, Philadelphia, and by Rosemary Hall, Greenwich, Conn.
- DAVIS, LILIAN GOULD, *Group*, ———, 1916-18.
Schenectady, N. Y. Prepared by the High School, Schenectady, and by the Veltin School, New York City.
- DAY, FRANCES BLAKISTON,
..... *Group, Modern History and Economics and Politics*, 1915-18.
Philadelphia. Prepared by the Wissahickon Heights' School, St. Martins, Philadelphia, and by the Friends' School, Germantown, Philadelphia.
- DENT, MARGARET MILLER, *Group*, ———, 1916-18.
Philadelphia. Prepared by Miss Ethel Walker's School, Lakewood, N. J. Maria Hopper Sophomore Scholar, 1917-18.
- DIMELING, CATHARINE, *Group*, ———, 1917-18.
Clearfield, Pa. Prepared by the High School, Clearfield, and by the Baldwin School, Bryn Mawr, Pa.
- DODGE, CHARLOTTE WRIGHT,
..... *Group, English and Italian and Spanish*, 1914-18.
Rochester, N. Y. Prepared by Miss Wheeler's School, Providence, R. I.
- DONALDSON, SIDNEY VIRGINIA, *Group*, ———, 1917-18.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion High School Scholar, 1917-18.

- DONNELLEY, CLARISSA, *Group*, ———, 1917-18.
Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest, and by Rosemary Hall, Greenwich, Conn.
- DONNELLEY, ELEANOR, *Group*, ———, 1917-18.
Lake Forest, Ill. Prepared by the Faulkner School, Chicago, and by Rosemary Hall, Greenwich, Conn.
- DUBACH, ANNA REUBENIA, *Group, English and Psychology*, 1915-18.
St. Louis, Mo. Prepared by Mary Institute, St. Louis. Bryn Mawr Matriculation Scholar for the Western States, 1915-16.
- DUFOURCQ, KATHARINE VERMILYE, *Group, French and Spanish*, 1914-18.
New York City. Prepared by the Hamilton Institute for Girls, New York City.
- EADIE, MARIAN, *Group, French and* ———, 1917-18.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore.
- EBERBACH, ANNA GETZ, *Group, English and Philosophy*, 1916-18.
Cynwyd, Pa. Prepared by Miss Roney's School, Philadelphia, and by the Friends' Select School, Philadelphia.
- EHLERS, ANITA LOUISE ADELE, *Group, Latin and German*, 1915-18.
Hoboken, N. J. Prepared by the Hoboken Academy.
- EHLERS, LOUISE CHARLOTTE, *Group*, ———, 1918.
Hoboken, N. J. Prepared by the Hoboken Academy.
- EILERS, MARGUERITE ELIZABETH,
Group, Modern History and History of Art, 1916-18.
Sea Cliff, L. I., N. Y. Prepared by the Horace Mann School, New York City, and by the Brearley School, New York City.
- EVANS, EMILY VICTORIA, *Group*, ———, 1917-18.
Spartanburg, S. C. Prepared by the Gwyn School, Spartanburg, and by the Baldwin School, Bryn Mawr, Pa.
- EVANS, LUCY, *Group, English, Italian and Spanish*, 1914-18.
Scarborough, N. Y. Prepared by the High School, Ossining, N. Y., by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.
- EVERETT, CATHERINE ARMS,
Group, Modern History and Economics and Politics, 1915-18.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Mary Anna Longstreth Memorial Scholar and Special Scholar, 1915-16.
- FARNSWORTH, EDITH BILLINGS, *Group*, ———, 1917-18.
Colorado Springs, Colo. Prepared by the Broadmoor School, Colorado Springs, and by private tuition.
- FARRELL, HELEN THOMPSON, *Group, Physics and Chemistry*, 1917-18.
New York City. Prepared by the Brearley School, New York City.
- FAUVRE, ELISABETH MAUS,
Group, French and Italian and Spanish, 1915-18.
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by Miss Wright's School, Bryn Mawr, Pa.
- FEAREY, MARIE-LOUISE, *Group*, ———, 1917-18.
New York City. Prepared by Miss Spence's School, New York City.
- FEGLEY, BEULAH HELEN, *Group, Mathematics and Physics*, 1914-18.
Reading, Pa. Prepared by the High School for Girls, Reading, and by private tuition.
- FERGUSON, BERTHA ELIZA, *Group*, ———, 1917-18.
Paducah, Ky. Prepared by Rosemary Hall, Greenwich, Conn.
- FERRIS, HILDA, *Group, Mathematics and* ———, 1916-18.
Philadelphia. Prepared by the Friends' West Philadelphia School, and by the Baldwin School, Bryn Mawr, Pa.

- FETTE, MARIAN CATHERINE DUBACH, *Group, English and Spanish*, 1917-18.
Hannibal, Mo. Prepared by the High School, Hannibal, and by the Misses Kirk's School, Bryn Mawr, Pa.
- FLEXNER, JEAN ATHERTON, *Group*, ———, 1917-18.
New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation scholar for New York, New Jersey, and Delaware, 1917-18.
- FLINN, HELEN LOUISE, *Group*, ———, 1917-18.
Erie, Pa. Prepared by the High School, Erie. Cornell University, 1917-18.
- FLORANCE, ROSALIE NATHAN, . . . *Group, Chemistry and* ———, 1917-18.
Dorchester, Mass. Prepared by the Ecole Vinet, Lausanne, Switzerland, and by Milton Academy, Milton, Mass.
- FOOT, EVALYN MARYNIA LAWTHOR, *Group*, ———, 1917-18.
Red Wing, Minn. Prepared by the High School, Red Wing, and by the Mary C. Wheeler School, Providence, R. I.
- FORD, FANNY TALIAFERRO, *Group*, ———, 1917-18.
New York City. Prepared by the Brearley School, New York City.
- FRANCE, MARGARET VON TORNEY, *Group, Psychology and Biology*, 1915-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- FRASER, LILIAN LORRAINE,
Group, Economics and Politics and Philosophy and Psychology, 1914-18.
Rochester, Minn. Prepared by the High School, Rochester, by Pillsbury Academy, Owatonna, Minn., and by Albert Lea College, Albert Lea, Minn.
- FRAZIER, JULIA VERONICA,
Group, Chemistry and Biology, 1914-16, 1917-18.
New York City. Prepared by the Bryn Mawr School, Baltimore, by Miss Chapin's School, New York City, and by private tuition.
- FROST, MARION LOUISE, *Group, French and* ———, 1916-18.
Plainfield, N. J. Prepared by the Hartridge School, Plainfield, and by the Shipley School, Bryn Mawr, Pa.
- FULLER, ELIZABETH DOUGLAS,
Group, Modern History and History of Art, 1915-18.
New York City. Prepared by the High School, Durham, N. C., by Mary Institute, St. Louis, Mo., and by the Misses Shipley's School, Bryn Mawr, Pa.
- FULLER, FRANCES HIGGINSON,
Group, English and Philosophy and Psychology, 1915-18.
New York City. Prepared by Runkles Grammar School, Brookline, Mass., and by Miss Haskell's School, Boston, Mass.
- GARDINER, MARY SUMMERFIELD, . . *Group, Latin and Archæology*, 1914-18.
Garden City, L. I. Prepared by the Cathedral School of St. Mary, Garden City.
- GARRIGUES, RUTH MARTIN,
Group, Economics and Politics and Psychology, 1916-18.
Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- GARRISON, CLARINDA KIRKHAM, *Group*, ———, 1917-18.
New York City. Prepared by the Brearley School, New York City.
- GATLING, ROSALIND,
Group, Economics and Politics and Philosophy and Psychology, 1915-18.
New York City. Prepared by Briarcliff Manor, Briarcliff, N. Y., and by the Misses Kirk's School, Bryn Mawr, Pa.
- GEST, ANNETTE ELEANOR, *Group, Spanish and History of Art*, 1914-18.
Trenton, N. J. Prepared by the State Model School, Trenton.
- GILMAN, MARGARET, *Group, French and Modern History*, 1915-18.
Wellesley, Mass. Prepared by the Misses Allen's School, West Newton, Mass., and by Dana Hall, Wellesley.

- GODWIN, ELIZABETH DOUGLAS, *Group*, ———, 1917-18.
Houston, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- GOGGIN, MARY SIMPSON, *Group*, ———, 1917-18.
El Paso, Tex. Prepared by the High School, El Paso, and by the Shipley School, Bryn Mawr, Pa.
- GOOKIN, NATHALIE CLOTILDE, *Group, Latin and English*, 1916-18.
Chicago, Ill. Prepared by the Latin School for Girls, Chicago. Western States Matriculation Scholar, 1916-17.
- GREGG, MARIAN, *Group, French and Spanish*, 1916-18.
St. Louis, Mo. Prepared by the Mary Institute, St. Louis.
- GRIGGS, DOROTHY MAITLAND LEE, *Group*, ———, 1916-18.
Ardsley-on-Hudson, N. Y. Prepared by the Misses Masters's School, Dobbs Ferry, N. Y., and by the Westover School, Middlebury, Conn.
- HALES, LAURA, *Group, English and Italian and Spanish*, 1916-18.
Oak Park, Ill. Prepared by the High School, Oak Park, and by the Baldwin School, Bryn Mawr, Pa.
- HALL, DOROTHY PHILLIPS,
Group, Modern History and Economics and Politics, 1915-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HAMILTON, RUTH GERTRUDE,
Group, Modern History and Economics and Politics, 1915-18.
Erie, Pa. Prepared by the High School, Erie, and by the Misses Shipley's School, Bryn Mawr, Pa.
- HARDY, MARY, *Group, Mathematics and* ———, 1916-18.
Cockeysville, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HARLAN, MARY LEITA,
Group, Modern History and Economics and Politics, 1916-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, and by private tuition.
- HARLAN, RUTH MARTIN, *Group*, ———, 1917-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HARRIS, ELEONORE DUBOIS, *Group, French and* ———, 1917-18.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HARRISON, ALICE CUNNINGHAM, *Group, English and Philosophy*, 1916-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HART, RUTH ELOISE, *Group, French and Spanish*, 1914-18.
Brooklyn, N. Y. Prepared by the Girls' High School, Brooklyn, and by private tuition.
- HARTSHORNE, MARY MINTURN,
Group, Modern History and Economics and Politics, 1916-18.
Highlands, N. J. Prepared by the Brearley School, New York City, and by private tuition.
- HAWKINS, MARGARET, *Group, Chemistry and Biology*, 1916-18.
Denver, Colo. Prepared by the Wolcott School, Denver, and by Rosemary Hall, Greenwich, Conn.
- HAWKINS, MARY O'NEIL, *Group, Chemistry and Biology*, 1915-16, 1917-18.
Denver, Colo. Prepared by the Wolcott School, Denver, by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.
- HAYMAN, CORNELIA, *Group, English and Psychology*, 1915-18.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HAYNES, THEODOSIA, *Group, English and Philosophy*, 1915-18.
Longmeadow, Mass. Prepared by Dana Hall, Wellesley, Mass., and by the Misses Shipley's School, Bryn Mawr, Pa.

- HEALEA, MONICA, *Group, Mathematics and Physics, 1916-18.*
New Philadelphia, O. Prepared by the High School, New Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- HEARNE, GERTRUDE JAMES,
Group, Modern History and Economics and Politics, 1915-18.
Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- HELMER, PHOEBE ARMISTEAD, *Group, ———, 1916-18.*
Jamaica, N. Y. Prepared by the Cathedral School of St. Mary, Garden City, L. I., N. Y.
- HEMENWAY, JUDITH MARTHA BASSETT, *Group, Latin and French, 1914-18.*
Windsor, Vt. Prepared by Wykeham Rise, Washington, Conn.
- HENDRICK, GRACE POMEROY, . . . *Group, Psychology and ———, 1917-18.*
New York City. Prepared by Miss Chapin's School, New York City, and by Miss Ethel Walker's School, Lakewood, N. J.
- HERING, DOROTHEA PAULINE THERESA,
Group, Chemistry and Biology, 1915-18.
Montclair, N. J. Prepared by the High School, Montclair.
- HERRICK, JOSEPHINE URSULA,
Group, English and Philosophy and Psychology, 1917, 1917-18.
Cleveland, O. Prepared by the Westover School, Middlebury, Conn., by the Laurel School, Cleveland, and by the Misses Kirk's School, Bryn Mawr, Pa.
- HESS, GERALDINE, *Group, English and Italian and Spanish, 1916-18.*
Council Bluffs, Ia. Prepared by the High School, Council Bluffs, and by Brownell Hall, Omaha, Neb.
- HICKMAN, REBECCA McDOEL,
Group, Modern History and History of Art, 1915-18.
Chicago, Ill. Prepared by the Chicago Latin School, and by Miss Wheeler's School, Providence, R. I.
- HILL, HELEN DOROTHY,
Group, Economics and Politics and Psychology, 1917-18.
Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest.
- HIRSCH, GRACE, *Group, ———, 1917-18.*
Houston, Tex. Prepared by the High School, Houston. University of Chicago, 1915-17.
- HOAG, MARY SCATTERGOOD,
Group, Modern History and Economics and Politics, 1916-18.
Haverford, Pa. Prepared by the Pensionnat Cuénoud et Roos, Lausanne, Switzerland, and by the Westtown Boarding School, Westtown, Pa.
- HOBBS, HARRIET, *Group, French and Spanish, 1914-18.*
New York City. Prepared by the Wadleigh High School, New York City.
- HODGES, LOUISE FFROST,
Group, Modern History and Economics and Politics, 1914-18.
Washington, D. C. Prepared by the Holton Arms School, Washington, and by Milton Academy, Milton, Mass.
- HOLLIDAY, KATHARINE AURELIA,
Group, English and Italian and Spanish, 1914-18.
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis.
- HOLLINGSHEAD, FRANCES MARION, *Group, ———, 1917-18.*
Bradford, Pa. Prepared by the High School, Bradford.
- HOLLINGSWORTH, AGNES, *Group, ———, 1917-18.*
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore.

- HOLLIS, CLARA ELIZABETH,
Group, Modern History and Economics and Politics, 1915-18.
 Winnetka, Ill. Prepared by the Girton School, Winnetka.
- HOLMES, HARRIET BUCHANAN, *Group, English and ———*, 1916-18.
 Cincinnati, O. Prepared by the University School, Avondale, Cincinnati, and by private tuition.
- HOLMES, JANET ALEXINA, *Group, English and Psychology*, 1915-18.
 St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- HOUGHTON, ELIZABETH,
Group, English and Italian and Spanish, 1914-15, 1916, 1916-18.
 Chestnut Hill, Mass. Prepared by Miss Winsor's School, Longwood, Mass., by Wykeham Rise, Washington, Conn., and by the Misses May's School, Boston, Mass. Radcliffe College, Semester I, 1915-16.
- HOWARD, FRANCES REBECCA, *Group, ———*, 1917-18.
 Louisville, Ky. Prepared by the Semple Collegiate School, and by the Louisville Collegiate School, Louisville.
- HOWARD, MARY CUSHING, *Group, ———*, 1917-18.
 Baltimore, Md. Prepared by the Laurel School, Cleveland, O., by the Westerly School, Westerly, R. I., and by the Bryn Mawr School, Baltimore. Second Bryn Mawr School Scholar, 1917-18.
- HOWELL, CHARLOTTE TERESA, . . . *Group, Chemistry and Biology*, 1914-18.
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HOWELL, FREDERICA BURCKLE,
Group, Spanish and Modern History, 1915-18.
 Newark, N. J. Prepared by Oldfields, Glencoe, Md., and by the Misses Masters's School, Dobbs Ferry, N. Y.
- HOWES, EDITH MARY, *Group, Latin and English*, 1915-18.
 Philadelphia. Prepared by the Girls' High School, West Philadelphia, and by private tuition. Philadelphia City Scholar, 1915-18, Special Scholar, 1916-17, and Special Maria Hopper Scholar, 1917-18.
- HUFF, HENRIETTA NORRIS, *Group, Greek and Classical Archæology*, 1914-18.
 Williamsport, Pa. Prepared by the High School, Williamsport, and by the Misses Kirk's School, Bryn Mawr, Pa.
- HUMPHREY, HELEN GERMAINE, *Group, French and ———*, 1916-18.
 New York City. Prepared by the Hawthorne School, New York City, and by the Veltin School, New York City.
- HUMPHREYS, HELEN, *Group, Latin and German*, 1916-18.
 Cleveland, O. Prepared by the East High School, Cleveland, and by private tuition.
- HUNTTING, HELEN ELIZABETH,
Group, Modern History and Economics and Politics, 1915-18.
 Minneapolis, Minn. Prepared by the Central High School, Minneapolis, and by private tuition.
- HURLOCK, ELIZABETH BERGNER,
Group, Economics and Politics and Psychology, 1915-18.
 Harrisburg, Pa. Prepared by the Seiler School, Harrisburg.
- IDDINGS, NANINE RAY,
Group, Modern History and Economics and Politics, 1915-18.
 North Platte, Neb. Prepared by the High School, North Platte. University of Nebraska, 1914-15.
- IRESON, LILLEY JANE, *Group, ———*, 1917-18.
 Boston, Mass. Prepared by the Girls' Latin School, Boston, and by Miss Wright's School, Bryn Mawr, Pa.

- ISRAEL, JAMES MARION,
Group, Economics and Politics and Philosophy and Psychology, 1914-18.
Minneapolis, Minn. Prepared by the Central High School, Minneapolis.
- JAMES, HELEN MIRIAM, *Group, ———, 1917-18.*
Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs, and Miss Ethel Walker's School, Lakewood, N. J.
- JAMES, TERESA DONOHUE, *Group, French and Spanish, 1916-18.*
Washington, D. C. Prepared by Stuart Hall, Staunton, Va., by the Holton Arms School, Washington, and by Miss Madeira's School, Washington.
- JANEWAY, MARGARET MCALLISTER, *Group, Chemistry and Biology, 1915-18.*
New York City. Prepared by Miss Chapin's School, New York City.
- JAY, ELLEN, *Group, ———, 1917-18.*
New York City. Prepared by the Brearley School, New York City.
- JEFFERIES, MARJORIE SHARPS, . . . *Group, Chemistry and Biology, 1914-18.*
Narberth, Pa. Prepared by the High School, Narberth.
- JENKINS, DOROTHY DE GROFF, *Group, Mathematics and Physics, 1916-18.*
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- JOHNSON, HÉLÈNE VENNUM,
Group, Modern History and Economics and Politics, 1915-18.
Racine, Wis. Prepared by Kemper Hall, Kenosha, Wis., and by Wykeham Rise, Washington, Conn.
- JOHNSTON, KATHLEEN FLORENCE, *Group, ———, 1917-18.*
Philadelphia. Prepared by Miss Hills's School, Philadelphia.
- JONES, FRANCES, *Group, French, Italian and Spanish, 1917-18.*
Granville, O. Prepared by Miss Wright's School, Bryn Mawr.
- JONES, HELEN PICKERING, *Group, Mathematics and Physics, 1914-18.*
Narberth, Pa. Prepared by the High School, Narberth, by the Gordon School, Philadelphia, and by private tuition.
- JUSTICE, JEAN GILPIN, *Group, ———, 1916-18.*
Ardmore, Pa. Prepared by the High School, Narberth, Pa.
- KALES, ELIZABETH, *Group, Italian and Spanish and ———, 1917-18.*
Winnetka, Ill. Prepared by the Girton School, Winnetka, and by Miss Ethel Walker's School, Lakewood, N. J.
- KARNS, HELEN COREENE, *Group, English and Psychology, 1915-18.*
Benton, Pa. Prepared by Wilkes Barre Institute, Wilkes Barre, Pa. Maria Hopper Sophomore Scholar, 1916-17; Anna Hallowell Memorial Scholar, 1917-18.
- KARNS, RUTH LOUISE, *Group, ———, 1917-18.*
Benton, Pa. Prepared by Wilkes Barre Institute, Wilkes Barre, Pa.
- KAUFMANN, WINIFRED HOPE,
Group, History and Economics and Politics, 1915-18.
Evanston, Ill. Prepared by the Township High School, Evanston.
- KEEBLE, CORNELIA, . . *Group, History and Economics and Politics, 1916-18.*
Nashville, Tenn. Prepared by the Ward Seminary, Nashville, by Ward-Belmont College, Nashville, and by the Misses Kirk's School, Bryn Mawr, Pa.
- KELLOGG, ELIZABETH HOSMER, *Group, ———, 1917-18.*
Waterbury, Conn. Prepared by Rosemary Hall, Greenwich, Conn.
- KELLOGG, LOIS WALCOTT, *Group, English and ———, 1916-18.*
Utica, N. Y. Prepared by the Balliol School, Utica, and by Miss Walker's School, Lakewood, N. J.

- KELLY, BOWER,.....*Group*, ———, 1917-18.
Haverford, Pa. Prepared by the Faulkner School, Chicago, Ill., and by the Misses Kirk's School, Bryn Mawr, Pa.
- KENDIG, HILDEGARDE KING, *Group, French and Modern History*, 1913-18.
Waterloo, N. Y. Prepared by Miss Butts's School, Norwich, Conn., by the High School, Waterloo, and by the Misses Shipley's School, Bryn Mawr, Pa.
- KIMBROUGH, EMILY,.....*Group, French and* ———, 1917-18.
Chicago, Ill. Prepared by the Faulkner School, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.
- KINARD, MARGARET CATHARINE,*Group, Latin and* ———, 1916-18.
Lancaster, Pa. Prepared by the Shippen School for Girls, Lancaster, and by private tuition.
- KINGSBURY, HELEN EMILY,*Group, Physics and Biology*, 1916-18.
Bryn Mawr, Pa. Prepared by the Walnut Hill School, Natick, Mass., by the Cambridge School for Girls, Cambridge, Mass., and by the Shipley School, Bryn Mawr, Pa.
- KIRKLAND, MARY PORTER,*Group*, ———, 1917-18.
Houston, Tex. Prepared by Miss Wood's School, Houston, and by the Shipley School, Bryn Mawr, Pa.
- KLENKE, DOROTHY AMELIA,*Group*, ———, 1917-18.
New York City. Prepared by Miss Spence's School, New York City.
- KNEELAND, VIRGINIA,*Group, Chemistry and Biology*, 1914-18.
New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1914-15; Elizabeth S. Shippen Scholar in Science, 1917-18.
- KNIFFEN, FLORENCE ELIZABETH, . . . *Group, History and* ———, 1917-18.
Holly Oak, Del. Prepared by the High School, Wilmington, Del., and by the Friends' School, Wilmington.
- LADD, MARGARET RHODES,*Group*, ———, 1917-18.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1917-18.
- LAFFERTY, MABEL,*Group, Latin and English*, 1915-18.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City Scholar, 1915-18.
- LANDON, ADELAIDE,*Group, Mathematics and Physics*, 1915-18.
Staatsburg on Hudson, N. Y. Prepared by Miss A. J. G. Perkins, New York City and by Miss Chapin's School, New York City.
- LANIER, ELIZABETH DAY,
Group, Modern History and Economics and Politics, 1915-18.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- LATTIMER, EVA JANE,*Group*, ———, 1917-18.
Columbus, O. Prepared by the Columbus School for Girls.
- LAUER, IDA FELICIA,*Group*, ———, 1917-18.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1917-18.
- LINDSEY, MARTHA JANE, . . . *Group, Modern History and* ———, 1916-18.
Nashville, Tenn. Prepared by the Ward Seminary, Nashville, by the Ward-Belmont School, Nashville, and by Miss Madeira's School, Washington, D. C.
- LITTELL, MARGARET,*Group*, ———, 1916-18.
New York City. Prepared by Miss Treat's School, Milwaukee, Wis., by the Brearley School, New York City, and by Miss Walker's School, Lakewood, N. J.
- LITZINGER, MARIE,*Group, Latin and Mathematics*, 1916-18.
Bedford, Pa. Prepared by the High School, Bedford. James E. Rhoads Sophomore Scholar, 1917-18.

- LLEWELLYN, ELIZABETH MARY, *Group, English and ———*, 1917-18.
 Evanston, Ill. Prepared by the Evanston Township High School, and by the Mary C. Wheeler School, Providence, R. I.
- LOEB, IRENE, *Group, Latin and Classical Archæology*, 1914-18.
 St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- LUBAR, ANNA ETHEL, *Group, English and German*, 1914-18.
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City Scholar, 1914-17; Special Scholar, 1916-17.
- LUBAR, MARIE AGATHE,
 Group, Modern History and Economics and Politics, 1915-18.
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1915-18; Special Scholar, 1916-17.
- LUBIN, DOROTHY SOPHIE, *Group, ———*, 1917-18.
 Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by Rosemary Hall, Greenwich, Conn.
- LUBIN, GRACE, *Group, ———*, 1917-18.
 Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by Wykeham Rise, Washington, Conn.
- LUETKEMEYER, ELIZABETH HELEN,
 Group, Modern History and ———, 1916-18.
 Cleveland, O. Prepared by the Laurel School, Cleveland.
- LYNCH, CAROLINE,
 Group, Modern History and Economics and Politics, 1916-18.
 Harrisburg, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- LYNCH, EUGENIE MARGARET, . . . *Group, Latin and Mathematics*, 1914-18.
 Devon, Pa. Prepared by the Tredyffrin-Easttown High School, Berwyn, Pa., and by private tuition.
- LYONS, ELLIEN AGNES, *Group, French and ———*, 1917-18.
 Brookline, Mass. Prepared by the Shipley School, Bryn Mawr, Pa.
- MACDONALD, ENID SCHURMAN,
 Group, Economics and Politics and Psychology, 1915-18.
 Vancouver, B. C. Prepared by the King Edward High School, Vancouver, and by the Broadway High School, Seattle, Wash. Thomas H. Powers Memorial Scholar, 1917-18.
- MACDONALD, MARY HELEN, *Group, ———*, 1917-18.
 Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion High School Scholar, 1917-18.
- MACKENZIE, MARJORIE TAYLOR, *Group, French and History of Art*, 1914-18.
 Halifax, N. S. Prepared by the Horace Mann School, New York City, by the Halifax Ladies College, and by Miss Lander's School, Indianapolis, Ind.
- MACRUM, EDITH, *Group, Mathematics and Physics*, 1915-18.
 Oakmont, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- MAGINNISS, IRENE EMMA, *Group, ———*, 1917-18.
 Llanerch, Pa. Prepared by the High School, Upper Darby, Pa.
- MALL, MARGARET, *Group, Physics and Biology*, 1914-18.
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MALL, MARY LOUISE, *Group, Mathematics and Physics*, 1916-18.
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MARBURY, SILVINE VON DORSNER, *Group, ———*, 1917-18.
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

- MARQUAND, ELEANOR,
Group, Economics and Politics and Psychology, 1915-18.
 Princeton, N. J. Prepared by Miss Fine's School, Princeton. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1915-16.
- MARSHALL, REBECCA SNOWDEN, *Group, Mathematics and ———, 1917-18.*
 Garrison, Md. Prepared by the Bryn Mawr School, Baltimore.
- MARTIN, MARJORIE, *Group, English, Italian and Spanish, 1915-18.*
 Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- MATTESON, ELIZABETH, *Group, ———, 1917-18.*
 Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- MATZ, EMILY FLORENCE,
Group, Philosophy and Psychology, 1915-16, 1917, 1917-18.
 Hubbard Woods, Ill. Prepared by the Girtton School, Winnetka, Ill., and by Miss Wright's School, Bryn Mawr, Pa.
- MCBRIDE, DOROTHY ELIZABETH, *Group, ———, 1917-18.*
 Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- MCCLENNEN, MARY, *Group, Economics and Politics and ———, 1917-18.*
 Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- MCCORMACK, JESSIE HUME, . . *Group, French and Modern History, 1916-18.*
 La Salle, Ill. Prepared by the La Salle-Peru Township High School, La Salle, and by Northwestern University.
- MEBANE, JESSIE, *Group, English and French, 1914-16, 1917-18.*
 Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute and by private tuition.
- MERCER, ERNESTINE EMMA, *Group, Greek and Latin, 1915-18.*
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States and Trustees' Philadelphia Girls' High School Scholar, 1915-18.
- MILLS, ELIZABETH, *Group, ———, 1917-18.*
 Buffalo, N. Y. Prepared by St. Timothy's School, Catonsville, Md.
- MILLS, ELIZABETH HOLE, . . . *Group, Spanish and History of Art, 1917-18.*
 N. Tonawanda, N. Y. Prepared by the High School, N. Tonawanda, and by Sweet Briar Academy, Sweet Briar, Va.
- MOEBIUS, AGNES JEANNETTE, *Group, Latin and German, 1916-18.*
 Nutley, N. J. Prepared by the Seminary, Newark, N. J., by the High School, Nutley, by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- MOFFAT, FRANCES WHITE, *Group, English and Psychology, 1917-18.*
 New York City. Prepared by the Brearley School, New York City.
- MOORE, ANGELA TURNER,
Group, Modern History and Economics and Politics, 1915-18.
 New York City. Prepared by St. Timothy's School, Catonsville, Md.
- MOORES, EMILY BISHOP,
Group, Economics and Politics and Psychology, 1915-18.
 Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis.
- MORRISON, MIRIAM GLADYS, *Group, ———, 1917-18.*
 Marquette, Mich. Prepared by Rosemary Hall, Greenwich, Conn.
- MORTON, MARGARET VILLIERS, *Group, ———, 1917-18.*
 Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.

- MORTON, SARAH STITAR, *Group, English and French, 1914-18.*
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia, by Mrs. Chapman and Miss Jones's School, Chestnut Hill, and by the Agnes Irwin School, Philadelphia.
- MOSELEY, MARION RENWICK,
Group, Modern History and History of Art, 1915-18.
Highland Park, Ill. Prepared by the University School for Girls, Chicago, Ill.
- MOTTU, CATHARINE CHANDLEE, *Group, ———, 1917-18.*
Baltimore, Md. Prepared by the Friends' School, Baltimore, and by the Bryn Mawr School, Baltimore.
- MUNFORD, MARY SAFFORD, *Group, ———, 1916-18.*
Richmond, Va. Prepared by the Walnut High School, Natick, Mass., by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.
- MURPHY, ROXANNA SMILEY, *Group, ———, 1917-18.*
Brookline, Mass. Prepared by Miss Haskell's School, Boston, Mass.
- MURRAY, HELEN IRVIN, *Group, ———, 1917-18.*
Binghamton, N. Y. Prepared by the Lady Jane Grey School, Binghamton, and by Resthaven, Mendon, Mass.
- MURTHA, MARGUERRETTA, *Group, Mathematics and Physics, 1917-18.*
Philadelphia. Prepared by the Girls' High School, West Philadelphia, and by private tuition. Charles E. Ellis Scholar, 1917-18.
- NEELY, CORA SNOWDEN, *Group, Latin and French, 1914-18.*
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- NEWELL, ELEANOR KING, *Group, ———, 1917-18.*
Nyon, Switzerland. Prepared by Ecole Vinet, Lausanne, Switzerland, by Milton Academy, Milton, Mass., by St. Timothy's School, Catonsville, and by Miss Madeira's School, Washington, D. C.
- NEWLIN, ALICE HARRISON, *Group, English and Philosophy, 1914-18.*
Whitford, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- NOBLE, MARY ANNGENETTE, *Group, ———, 1917-18.*
Westfield, Mass. Prepared by the High School, Westfield.
- O'BRIEN, MIRIAM ELIOT, *Group, ———, 1916-18.*
Brookline, Mass. Prepared by Miss May's School, Boston, Mass.
- O'CONNOR, ELEANOR, *Group, French, Italian and Spanish, 1917-18.*
Chicago, Ill. Prepared by the University High School, Chicago. University of Chicago, 1916-17.
- O'CONNOR, MARIAN, *Group, Latin and Philosophy, 1914-18.*
Brookline, Mass. Prepared by the High School, Brookline. Anna Hallowell Memorial Scholar, 1916-17; Anna M. Powers Memorial Scholar, 1917-18.
- OFFUTT, NANCY JENKINS, *Group, English and Philosophy, 1916-18.*
Towson, Md. Prepared by Notre Dame of Maryland, Baltimore, and by the Bryn Mawr School, Baltimore.
- OPPENHEIMER, CELIA,
Group, English and Philosophy and Psychology, 1915-18.
Washington, D. C. Prepared by the Central High School and by Miss Madeira's School, Washington.
- OSTROFF, PASSYA EUNIA, *Group, ———, 1917-18.*
Philadelphia. Prepared by the William Penn High School, and by the Girls' High School, Philadelphia. L. C. B. Saul Memorial Scholar, 1917-18.
- OUTERBRIDGE, KATHLEEN LOUISE NORTON,
Group, Modern History and Economics and Politics, 1915-18.
New York City. Prepared by Miss Chapin's School for Girls, New York City.

- PAGE, ANNE, *Group*, ———, 1917-18.
Beaver Dam, Va. Prepared by Stuart Hall, Staunton, Va.
- PARK, VIRGINIA, *Group*, ———, 1916-18.
Atchison, Kans. Prepared by the College Preparatory School, Atchison, by the Midland Academy, Atchison, by Midland College, Atchison, and by private tuition.
- PARSONS, HELEN TROOP, *Group*, ———, 1917-18.
Baltimore, Md. Prepared by the Roland Park Country School, and by the Bryn Mawr School, Baltimore.
- PARSONS, LOIS BURNETT, *Group*, ———, 1916-18.
Columbus, O. Prepared by the Columbus School for Girls, Columbus, O., and by private tuition.
- PEABODY, JEANNETTE FÉLICIE, *Group, Chemistry and Biology*, 1915-18.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- PEACOCK, MILDRED LEHMAN,
Group, Modern History and Economics and Politics, 1915-18.
Chicago, Ill. Prepared by Rosemary Hall, Greenwich, Conn., and by the Misses Kirk's School, Bryn Mawr, Pa.
- PERKINS, WINIFRED STORRS,
Group, Modern History and Economics and Politics, 1915-18.
New York City. Prepared by St. Margaret's School, Waterbury, Conn., by Rosemary Hall, Greenwich, Conn., and by the Veltin School, New York City.
- PERSHING, 2ND, ELIZABETH HELFENSTEIN,
Group, French and Modern History, 1914-18.
Pineville, Pa. Prepared by the Friends' School, Germantown, Philadelphia, and by private tuition.
- PETERS, DOROTHY ALICE,
Group, Economics and Politics and ———, 1915-18.
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- PEYTON, JULIA COOKE, *Group*, ———, 1917-18.
Charlestown, W. Va. Prepared by the High School, Charlestown, and by St. Hilda's Hall, Charlestown.
- PITKIN, DORIS ELLEN, *Group, English and* ———, 1916-18.
New York City. Prepared by the Misses Rayson's School, New York City, and by the Brearley School, New York City. New York, New Jersey, and Delaware Matriculation Scholar, 1916-17.
- PLATT, MARION LOUISE, *Group, English and* ———, 1917-18.
Manitowoc, Wis. Prepared by the High School, Manitowoc, and by private tuition. University of Wisconsin, 1915-16.
- PORRITT, MARY GERTRUDE, *Group*, ———, 1916-18.
Hartford, Conn. Prepared by the High School, Hartford, and by Rosemary Hall, Greenwich, Conn.
- PORTER, NANCY FOSTER, *Group*, ———, 1917-18.
Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill.
- PRESCOTT, HELEN,
Group, Modern History and Economics and Politics, 1915-18.
Jamaica Plain, Mass. Prepared by Miss Woodward's School, Boston, Mass., by Mrs. von Mach's School, Boston, and by private tuition. James E. Rhoads Sophomore Scholar, 1916-17; James E. Rhoads Junior Scholar, 1917-18.
- PRESTON, ARLINE FEARON, *Group, Latin and* ———, 1916-18.
Fallston, Md. Prepared by Belair Academy, Belair, Md., and by the Hannah More Academy, Reisterstown, Md. Chicago Bryn Mawr Club Scholar, 1916-17; Mary Anna Longstreth Memorial Scholar, 1917-18.

- QUIMBY, HESTER AGNES, *Group, Mathematics and Physics*, 1914-18.
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- RAMSAY, MARY MORRIS, *Group, Modern History and Spanish*, 1915-18.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- RAY, ROBERTA MARIE, *Group, Greek and Latin*, 1915-18.
Allison, Ia. Prepared by the High School, Allison, and by St. Katharine's School, Davenport, Ia.
- REID, HELEN, *Group, French and Modern History*, 1915-18.
Norfolk, Va. Prepared by St. George's School, Norfolk, Va., and by St. Timothy's School, Catonsville, Md.
- REINHARDT, LOUISE, *Group, ———*, 1917-18.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- REINHARDT, REBECCA, *Group, Modern History and ———*, 1915-18.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- REIS, ELIZABETH DITHRIDGE, *Group, ———*, 1917-18.
New Castle, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- REMINGTON, MARJORIE,
Group, Modern History and Economics and Politics, 1915-18.
New York City. Prepared by the Veltin School, New York City.
- REYMERSHOFFER, GERTRUDE, *Group, Chemistry and Biology*, 1914-18.
Galveston, Tex. Prepared by the Ball High School, Galveston.
- RHOADS, MARGARET WHITALL, . . . *Group, English and Psychology*, 1915-18.
Philadelphia. Prepared by the Friends' School, Germantown, and by the Westtown Boarding School, Westtown, Pa.
- RHOADS, REBECCA GARRETT, . . . *Group, English and Philosophy*, 1914-18.
Wilmington, Del. Prepared by the Westtown Boarding School, Westtown, Pa., by the Misses Hebb's School, Wilmington, and by private tuition.
- RICHARDS, RUTH OLIVE,
Group, Modern History and Economics and Politics, 1913-14, 1915-18.
Bridgeport, N. J. Prepared by the High School, Woodbury, N. J., and by private tuition. Barnard College, 1914-15.
- RICHARDSON, LESLIE,
Group, Economics and Politics and Philosophy and Psychology, 1914-18.
Cambridge, Mass. Prepared by the Misses May's School, Boston, Mass.
- RIDLON, JEANNETTE, *Group, Philosophy and Psychology*, 1914-18.
Chicago, Ill. Prepared by the High School, Evanston, Ill., by the University School for Girls, Chicago, and by the Misses Shipley's School, Bryn Mawr, Pa.
- RIGGS, HELENA EMMA, *Group, Chemistry and ———*, 1917-18.
Philadelphia. Prepared by the West Philadelphia High School.
- RIKER, FRANCES, *Group, ———*, 1917-18.
Newark, N. J. Prepared by Miss Porter's School, Farmington, Conn., and by Miss Ethel Walker's School, Lakewood, N. J.
- ROBINSON, CATHERINE PALMER, . . . *Group, French and ———*, 1916-18.
Larchmont Manor, N. Y. Prepared by the Larchmont School, Larchmont Manor, and by the Brearley School, New York City.
- ROGERS, DOROTHY LOIS, *Group, English and ———*, 1916-18.
Chicago, Ill. Prepared by the University High School, Chicago, and by the Baldwin School, Bryn Mawr, Pa.
- RONDINELLA, EDITH, *Group, English and French*, 1915-18.
Philadelphia. Prepared by the Gordon School, Philadelphia.

- ROOD, ALICE QUAN, *Group, English and ———*, 1916-18.
Evanston, Ill. Prepared by the Girton School, Winnetka, Ill. Northwestern University,
1915-16.
- ROSE, AGNES MILNE, *Group, Mathematics and Physics*, 1916-18.
Narberth, Pa. Prepared by the High School, Narberth.
- ROSENBERG, ELLA MARY, *Group, German and Spanish*, 1914-18.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Mary Anna Longstreth
Scholar, 1914-15; Philadelphia City Scholar, 1914-18; Maria Hopper Sophomore
Scholar, 1915-16; Mary E. Stevens Junior Scholar and Special Scholar, 1916-18.
- RÜBEL, HELEN FRANCES, *Group, ———*, 1917-18.
New York City. Prepared by the Brearley School, New York City, and by private tuition.
- RUPERT, MARY SWIFT, *Group, French and History of Art*, 1914-18.
Marshallton, Del. Prepared by the Misses Hebb's School, Wilmington, Del.
- ST. JOHN, FRANCES ARCADIA, . . . *Group, Psychology and Biology*, 1915-18.
Philadelphia. Prepared by the Girls' High School, Philadelphia, and by the Misses Kirk's
School, Bryn Mawr, Pa.
- SANFORD, ANNA MUNSON, *Group, ———*, 1916-18.
Honey Brook, Pa. Prepared by Hannah More Academy, Reisterstown, Md., and by
private tuition. Frances Marion Simpson Scholar, 1916-18.
- SCHURMAN, BARBARA, *Group, ———*, 1917-18.
Ithaca, N. Y. Prepared by Rosemary Hall, Greenwich, Conn.
- SCHWARTZ, * MARGUERITE OLGA ADLER,
Group, French and Italian and Spanish, 1905-07, 1916-18.
Philadelphia. Prepared by the Wadleigh High School, New York City, and by the Girls'
High School, Philadelphia.
- SCHWARZ, HELEN CATHERINE, *Group, German and Modern History*, 1914-18.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- SCOTT, MARY, *Group, Modern History and Economics and Politics*, 1915-18.
Philadelphia. Prepared by the Girls' High School, West Philadelphia.
- SELIGMAN, † VIOLET, *Group, ———*, 1917-18.
New York City. Prepared by St. Agatha's School, New York City.
- SHAFFER, ADELAIDE WALLACE,
Group, Modern History and Economics and Politics, 1914-18.
Knoxville, Tenn. Prepared by the Misses Masters' School, Dobbs Ferry, N. Y., by Wall-
court, Aurora, N. Y., and by the Misses Kirk's School, Bryn Mawr, Pa.
- SHARPLESS, KATHARINE TRUMAN,
Group, French and Modern History, 1914-18.
Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by the
Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1914-18; Elizabeth
Duane Gillespie Scholar in American History, 1917-18.
- SHEPPARD, EUGENIA BENBOW, *Group, ———*, 1917-18.
Columbus, O. Prepared by the Columbus School for Girls. Bryn Mawr Matriculation
Scholar for the Western States, 1917-18.
- SHOEMAKER, ELEANOR HOOVEN, *Group, ———*, 1917-18.
Norristown, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- SHOWELL, ADELINE OGDEN, *Group, English and Psychology*, 1914-18.
Springfield, O. Prepared by the New High School, Springfield.
- SLOAN, LOUISE LITTIG, *Group, Mathematics and Physics*, 1916-18.
Lutherville, Md. Prepared by the Bryn Mawr School, Baltimore, Md. Second Bryn
Mawr School Scholar, 1916-17.

* Mrs. Louis Schwartz.

† Died, April 1st, 1918.

- SMITH, DOROTHY WONDERLY, *Group, French and Modern History*, 1916-18.
Grand Rapids, Mich. Prepared by Miss Charlotte Moffitt's School, Grand Rapids, by the High School, Grand Rapids, by Miss Madeira's School, Washington, D. C., and by private tuition.
- SMITH, EDITH MARION, *Group, Greek and Latin*, 1914-18.
Pittsburgh, Pa. Prepared by the High School, Peoria, Ill., and by the Bradley Institute, Peoria.
- SMITH, LOUISE TUNSTALL, *Group, Greek and Latin*, 1914-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1914-15; Maria Hopper Sophomore Scholar, 1915-16.
- SMITH, MABEL WILES, *Group, ———*, 1917-18.
Westfield, Mass. Prepared by the High School, Westfield, and by the Baldwin School, Bryn Mawr, Pa.
- SNAVELY, ALICE MIRIAM,
Group, Modern History and Economics and Politics, 1915-18.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia City Scholar, 1915-18; Mary E. Stevens Junior Scholar, 1917-18.
- SORCHAN, LOUISA BEATRICE,
Group, Modern History and Economics and Politics, 1915-18.
New York City. Prepared by Miss Chapin's School, New York City.
- SOUTHALL, MARY KATHERINE, *Group, ———*, 1917-18.
Florence, Ala. Prepared by the Baldwin School, Bryn Mawr, Pa.
- SPALDING, HELEN ELIZABETH, *Group, Greek and Latin*, 1915-18.
Detroit, Mich. Prepared by the Liggett School, Detroit.
- SPINELLI, BEATRICE NORAH, *Group, English and ———*, 1917-18.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia Girls' High School Trustees' Scholar, 1917-18.
- SPURNEY, JEAN, *Group, ———*, 1917-18.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- STAIR, MARY KEESEY, *Group, Psychology and Biology*, 1914-18.
York, Pa. Prepared by private tuition and by Miss Wright's School, Bryn Mawr, Pa.
- STAMBAUGH, MARGARET HENRY,
Group, Latin and Classical Archæology, 1915-16, 1917-18.
Harrisburg, Pa. Prepared by the High School, Harrisburg, and by private tuition. Smith College, 1916-17.
- STEELE, GERTRUDE WYOMING, . . . *Group, Psychology and ———*, 1916-18.
Green Spring Valley, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- STEVENS, EDITH, *Group, French and Modern History*, 1916-18.
Lowell, Mass. Prepared by the Rogers High School, Lowell.
- STILES, ANNETTE,
Group, Modern History and Economics and Politics, 1915-18.
Fitchburg, Mass. Prepared by the High School, Fitchburg, and by the Misses Shipley's School, Bryn Mawr, Pa.
- STOKES, BEATRICE DUNDERDALE, *Group, ———*, 1917-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1917-18.
- STONE, HELEN HARRIETTE McCALMONT,
Group, Physics and Chemistry, 1917-18.
Kalamazoo, Mich. Prepared by the Girton School, Winnetka, and by the Shipley School, Bryn Mawr, Pa.
- STRAUSS, MARJORIE LORD, *Group, Chemistry and Biology*, 1914-18.
New York City. Prepared by the Horace Mann School, New York City.

TAPPAN, HELEN,.....*Group, Spanish and* ———, 1915-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

TAUSSIG, CATHARINE CROMBIE,
Group, Modern History and Economics and Politics, 1915-18.
Cambridge, Mass. Prepared by the Cambridge School, Cambridge.

TAYLOR, ANN RICHARDS,.....*Group, Chemistry and* ———, 1917-18.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

TAYLOR, ELIZABETH PREWITT,.....*Group*, ———, 1917-18.
Little Rock, Ark. Prepared by the High School, Little Rock, and by Miss Wright's School,
Bryn Mawr, Pa.

TAYLOR, MARGARET WOOD,.....*Group*, ———, 1917-18.
Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

TAYLOR, SARAH COLE,.....*Group, Chemistry and Biology*, 1915-18.
Morganton, N. C. Prepared by Miss Shipp, Hendersonville, N. C., and by the Misses
Shipley's School, Bryn Mawr, Pa.

TELLER, FANNIE ESPEN,.....*Group, French and History of Art*, 1913-18.
Philadelphia. Prepared by the Friends' Central School, Philadelphia.

THOMAS, KATHARINE COOPER,.....*Group*, ———, 1916-18.
Columbus, O. Prepared by the Columbus School for Girls, Columbus.

THOMPSON, MARIA LLOYD,.....*Group*, ———, 1917-18.
Norfolk, Va. Prepared by the Maury High School, Norfolk, and by the Misses Kirk's
School, Bryn Mawr, Pa.

THORNDIKE, ANNA,.....*Group, Mathematics and Physics*, 1915-18.
Boston, Mass. Prepared by the Misses May's School, Boston. Bryn Mawr Matriculation
Scholar for the New England States, 1915-16.

THURMAN, MARY LEE,.....*Group, English and Philosophy*, 1915-18.
Columbus, O. Prepared by the Columbus School for Girls, Columbus.

TIMPSON, MARGARET CATHERINE,
Group, Modern History and Economics and Politics, 1914-18.
New York City. Prepared by Miss Spence's School, New York City. Maria L. Eastman
Brooke Hall Memorial Scholar, 1917-18.

TOWNSEND, KATHARINE WENDALL,
Group, English and Italian and Spanish, 1916-18.
Boston, Mass. Prepared by the Winsor School, Boston.

TRAIN, MARGARET ADAMS,
Group, English and Philosophy and Psychology, 1916-18.
New York City. Prepared by Miss Spence's School, New York City, and by St. Timothy's
School, Catonsville, Md.

TROTTER, GRACE,.....*Group, English and French*, 1917-18.
Lookout Mountain, Tenn. Prepared by the Girls' Preparatory School, Chattanooga,
Tenn.

TURLE, PENELOPE,
Group, Modern History and Economics and Politics, 1914-18.
Duluth, Minn. Prepared by the High School, Duluth, by private tuition, Lausanne,
Switzerland, and by Rosemary Hall, Greenwich, Conn.

TYLER, KATHARINE DOUGLAS,
Group, Modern History and Economics and Politics, 1915-18.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

TYLER, MARY ETHELYN,
Group, Modern History and Economics and Politics, 1915-18.
Philadelphia. Prepared by the Wissahickon Heights School, St. Martins, Philadelphia.

- UCHIDA, FUMI, *Group, English and Philosophy, 1916-18.*
Haverford, Pa. Prepared by Kobe College, Kobe, Japan, and by the Misses Kirk's School, Bryn Mawr, Pa.
- VAN RAALTE, FANNIE, *Group, ———, 1917, 1917-18.*
St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- VON HOFSTEN, FRANCES LOUISE, *Group, Latin and ———, 1916-18.*
Winnetka, Ill. Prepared by the Girton School, Winnetka.
- VON MAUR, EVELYN MARY, *Group, ———, 1917-18.*
St. Louis, Mo. Prepared by Lenox Hall, St. Louis.
- WALKER, HELEN EDWARD, . . *Group, French, Italian and Spanish, 1914-18.*
Chicago, Ill. Prepared by Kenwood Institute, Chicago, and by the Loring School, Chicago.
- WALKER, KATHARINE, *Group, ———, 1917-18.*
Brookline, Mass. Prepared by Miss Winsor's School, Longwood, Mass., by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.
- WALTER, DOROTHY, *Group, ———, 1917-18.*
Menlo Park, Cal. Prepared by Miss Harker's School, Palo Alto, Cal., and by the Misses Kirk's School, Bryn Mawr, Pa.
- WALTON, DOROTHEA WETHERILL, *Group, Psychology and Biology, 1915-18.*
Hartsdale, N. Y. Prepared by the Roger Ascham School, Scarsdale, N. Y.
- WALTON, MARION WETHERILL, *Group, ———, 1917-18.*
Hartsdale, N. Y. Prepared by the Roger Ascham School, Scarsdale, N. Y., by private tuition, and by the Brearley School, New York City.
- WARBURG, BETTINA, *Group, ———, 1917-18.*
Washington, D. C. Prepared by the Brearley School, New York City, and by Miss Madeira's School, Washington, D. C.
- WARD, KATHARINE LOUISE, *Group, Greek and English, 1917-18.*
Washington, D. C. Prepared by Miss Madeira's School, Washington, D. C.
- WARD, LAURA LYON, *Group, ———, 1917-18.*
Fortress Monroe, Va. Prepared by the Misses Kirk's School, Bryn Mawr, Pa. Virginia College, Roanoke, Va., 1916-17.
- WARNER, AMELIA, . . . *Group, English, Philosophy and Psychology, 1915-18.*
North Randall, O. Prepared by the Laurel School, Cleveland, O.
- WARREN, MARJORIE, *Group, French and Spanish, 1917-18.*
Harvard, Mass. Prepared by St. Leonard's School, St. Andrews, Scotland.
- WASHBURN, SIDNEY, *Group, ———, 1917-18.*
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis.
- WEAVER, BETTY M., *Group, Latin and ———, 1916-18.*
Clearfield, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition. Frances Marion Simpson Scholar, 1916-18.
- WEIST, HELEN HUTCHINS, *Group, ———, 1917-18.*
New York City. Prepared by the Brearley School, New York City.
- WEST, ELINOR, *Group, ———, 1917-18.*
Wynnewood, Pa. Prepared by the Shipley School, Bryn Mawr, Pa., and by Miss Ethel Walker's School, Lakewood, N. J.
- WESTON, AILEEN, *Group, ———, 1917-18.*
New York City. Prepared by Miss Chapin's School, New York City, and by Rosemary Hall, Greenwich, Conn.
- WESTON, FRANCES STINSON, . . . *Group, Mathematics and ———, 1917-18.*
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Minnie Murdoch Kendrick Memorial Scholar, 1917-18.

- WHEELER, RUTH WADSWORTH,
Group, Italian and Spanish and History of Art, 1915-18.
 Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.
- WHITCOMB, HELEN, . . . *Group, Modern History and History of Art, 1914-18.*
 Brookline, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass.
- WHITTIER, ALICE AUGUSTA SKOLFIELD, *Group, ———, 1917-18.*
 Brunswick, Me. Prepared by the High School, Brunswick.
- WHITTIER, ISABEL MARY SKOLFIELD,
Group, Modern History and Economics and Politics, 1915-16, 1917, 1917-18.
 Brunswick, Me. Prepared by the High School, Brunswick.
- WIESMAN, MARGARET ISOBEL, *Group, ———, 1917-18.*
 Clinton, Mass. Prepared by the High School, Clinton, and by private tuition.
- WIGHT, EVELYN, *Group, Chemistry and Biology, 1916-18.*
 Brooklyn, N. Y. Prepared by the Packer Institute, Brooklyn, and by Wykeham Rise, Washington Conn.
- WILLIAMS, ELIZABETH, *Group, French and Modern History, 1916-18.*
 Evanston, Ill. Prepared by Mlle. Chamorel's School, Vevey, Switzerland, and by Miss Wright's School, Bryn Mawr, Pa.
- WILLIAMS, MARJORIE TRUEHEART,
Group, Economics and Politics and Psychology, 1914-18.
 Galveston, Tex. Prepared by the Ball High School, Galveston, and by the Misses Shipley's School, Bryn Mawr, Pa.
- WILLIAMS, THELMA GILLETTE, *Group, French, Italian and Spanish, 1917-18.*
 Olean, N. Y. Prepared by the High School, Olean, and by the Baldwin School, Bryn Mawr, Pa.
- WILLIAMSON, LORNA, *Group, English and French, 1916-18.*
 Piedmont, Cal. Prepared by Miss Ransom and Miss Bridge's School, Piedmont.
- WILSON, HELEN MOSEMAN, *Group, English and French, 1914-18.*
 Grand Rapids, Mich. Prepared by the Central High School, Grand Rapids, and by private tuition.
- WILSON, LOUISE, *Group, ———, 1917-18.*
 Westmount, P. Q., Canada. Prepared by Trafalgar Institute, Montreal, and by the Baldwin School, Bryn Mawr, Pa. Royal Victoria College for Women, McGill University, 1915-16.
- WOLF, HARRIET LOEB, . . *Group, French and Italian and Spanish, 1916-18*
 Elkins Park, Pa. Prepared by the Friends' Central School, Philadelphia, and by the High School for Girls, Philadelphia.
- WOOD, LOUISE HOLABIRD,
Group, Modern History and Economics and Politics, 1915-18.
 Winnetka, Ill. Prepared by the Girton School, Winnetka.
- WOODBURY, ELIZA GORDON, *Group, Greek and English, 1915-18.*
 Manchester, N. H. Prepared by Bradford Academy, Bradford, Mass.
- WOODRUFF, RUTH JACKSON,
Group, Economics and Politics and Psychology, 1915-18.
 Scranton, Pa. Prepared by the Central High School, Scranton. Maria Hopper Sophomore Scholar, 1916-17.
- WOODWARD, KATHARINE FOX, *Group, ——— and Biology, 1917-18.*
 Worcester, Mass. Prepared by the Classical High School, Worcester, by the Friends' School, Washington, D. C., and by the Winsor School, Longwood, Mass.
- WORCESTER, WINIFRED KIRKHAM, *Group, ———, 1917-18.*
 New York City. Prepared by the Brearley School, New York City.

- WORCH, MARGARET,.....*Group, English and Psychology, 1914-18.*
Providence, R. I. Prepared by Miss Wheeler's School, Providence.
- WORTMAN, HELEN,.....*Group, Psychology and Biology, 1916-18.*
Portland, Ore. Prepared by the Baldwin School, Bryn Mawr, Pa.
- WRIGHT, JEAN GRAY,.....*Group, French and ———, 1915-18.*
Lincoln University, Pa. Prepared by private tuition.
- WYCKOFF, DOROTHY,.....*Group, Greek and Latin, 1917-18.*
Norwich, Conn. Prepared by the Norwich Free Academy. Bryn Mawr Matriculation
Scholar for the New England States and Frances Marion Simpson Scholar, 1917-18.
- ZILKER, BIRDIE BOLEYN,.....*Group, ———, 1916-18.*
San Antonio, Tex. Prepared by the Mulholland School, San Antonio, and by the Misses
Shipley's School, Bryn Mawr, Pa.
- ZINSSER, HELEN MARIE MOHR,.....*Group, ———, 1916-18.*
New York City. Prepared by Miss Spence's School, New York City.

SUMMARY OF STUDENTS.

Class of 1918,.....	68	
Class of 1919,.....	100	
Class of 1920,.....	94	
Class of 1921,.....	139	
Class of 1922,.....	1	
Hearers,.....	2	
		<hr/>
		404
Resident Fellows,.....	15	
Graduates,.....	67	
		<hr/>
		82
Non-Resident Fellows,.....		3
		<hr/>
Total,.....		489

BRYN MAWR COLLEGE.

BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

*Introductory
Statement.*

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate
Students.*

their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

***Fellows
and
Scholars.***

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European travelling fellowships, nineteen resident fellowships and thirty-nine graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 210 to 214.

***Under-
graduate
Students.***

Undergraduate students must have fulfilled the requirements for matriculation, stated on pages 171 to 185, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 185 to 194.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers.

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree.

* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The
Group
System.*

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English (two years), philosophy, science, (two years, or, if a second year of science be not elected, history, or economics and politics, or philosophy, or psychology, or mathematics), are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, philosophy, or psychology, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at

*Required
Courses.*

least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

*Post-Major
Courses.*

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

*Free Elective
Courses.*

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

*Courses
of
Study.*

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, Modern History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit and comparative Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Social Economy and Social Research, Philosophy, Psychology, Education, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Paleontology, Morphology, and Physiology.

*Courses in
Language
and
Literature.*

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern

languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. *Lectures.* It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

Courses of Instruction.

The undergraduate and graduate courses offered in the years 1917-18 and 1918-19 are as follows:

Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Dr. James Fulton Ferguson, Dr. Edward Henry Sehrt, Miss Abby Kirk, and Dr. Mary Hamilton Swindler.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Comparative Philology.

GRADUATE COURSES.

Graduate Courses.

Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Students entering this Seminary are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit, Dr. Sehrt.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year. This course was given by Dr. Sehrt in 1918-19.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology. The courses in Elementary and Second Year Sanskrit will not in general be offered in the same year.

Seminary in Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-eight hours of lectures and recitations a week apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; two hours a week of free elective; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

A course of five hours a week throughout the year is provided for those students that wish to study Greek and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

Matriculation Course.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Plato, *Apology* and *Crito* or *Protagoras* or *Phædo*, and Greek Prose Composition, Dr. Sanders.

*Two hours a week.***Major Course.**

Sophocles, *Antigone*, Dr. Sanders.

One hour a week.

Homer, *Odyssey*, Dr. Wright.

Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders.

Two hours a week.

Herodotus, Dr. Sanders.

One hour a week.

Homer, *Iliad*, Dr. Wright.

Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

SECOND YEAR.

1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Aristophanes, Dr. Sanders.

One hour a week.

History of Greek Literature, Ionio-Dorian and Attic periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

Private reading: Æschylus, *Prometheus Vinculus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vinculus*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Thucydides, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Sophocles, Dr. Sanders.

One hour a week.

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: *Æschylus, Persæ*, ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; *Æschylus, Prometheus Vincit*, ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

Group: Greek with any language, *or* with Philosophy, *or* with Philosophy and Psychology, *or* with Psychology, *or* with Ancient History, *or* with Classical Archæology, *or* with Mathematics.

FREE ELECTIVE COURSES.

Greek Religion and Greek Myths, Dr. Wright.

Two hours a week during the first semester.

This course will be supplementary to Greek and English literature and to Oriental and Classical Archæology and will treat of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths. This course may be offered as part of the minor course in Ancient History or as part of the minor course in Classical Archæology.

Literary Geography of Greece and Asia Minor, Dr. Wright.

Two hours a week during the second semester.

This course will trace not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history. It may be offered as part of the minor course in Ancient History or as part of the minor course in Classical Archæology.

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Classical Archæology. See pages 129 to 130.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the equivalent of the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1917-18 the following post-major courses are offered:

1st Semester.

Sophocles, *Trachiniæ* and Euripides, *Heracles*, Dr. Sanders.

Two hours a week.

Herodotus or Aristophanes, Dr. Sanders.

One hour a week.

Theocritus, Dr. Wright.

Two hours a week.

**Free
Elective
Courses.**

**Post-
Major
Courses.**

2nd Semester.

Greek Rhetoricians and Prose Composition, Dr. Sanders.

One hour a week.

Bacchylides, Dr. Sanders.

One hour a week.

Euripides, *Bacchæ*, Dr. Sanders.

One hour a week.

Æschylus, *Septem*, or Lucian, Dr. Wright.

Two hours a week.

In 1918-19 the following post-major courses are offered:

1st Semester.

Æschylus, *Oresteia*, Dr. Sanders.

Two hours a week.

Fourth Century Critics, Dr. Sanders.

One hour a week.

Palatine Anthology, Dr. Wright.

Two hours a week.

2nd Semester.

Pindar, Dr. Sanders.

Two hours a week.

Sophocles, *Electra* or Euripides, *Electra*, Dr. Sanders.

One hour a week.

Sophocles, *Ajax*, Dr. Wright.

Two hours a week.

In 1919-20 the following post-major courses are offered:

1st Semester.

Minor Orations of the Attic Orators, Dr. Sanders.

Two hours a week.

Sophocles, *Ædipus Tyrannus*, Dr. Sanders.

One hour a week.

Melic Poets, Dr. Wright.

Two hours a week.

2nd Semester.

Æschylus, *Agamemnon*, Dr. Sanders.

Two hours a week.

Greek Prose Composition and the Evolution of Style, Dr. Sanders.

One hour a week.

Plato, *Republic*, Dr. Wright.

Two hours a week.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated minors and independent

minors is given in the Regulations of the Academic Council. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see pages 125 to 126.

Greek Seminary, Dr. Sanders.

Three hours a week throughout the year.

(Given in each year.)

In 1917-18 Attic Tragedy is the subject of the seminary. The work of the seminary in textual criticism is devoted to Æschylus. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1918-19 Greek Orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1919-20 Greek Historians are the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

Greek Seminary, Dr. Wright.

Two hours a week throughout the year.

(Given in each year.)

In 1917-18 Plato is the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1918-19 the Homeric Question will be the subject of the seminary; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

In 1919-20 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented

by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

Greek Journal Club, Dr. Sanders and Dr. Wright.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, Dr. James Fulton Ferguson, Associate Professor of Ancient History and Latin, and Dr. Mary Hamilton Swindler, Instructor in Latin and Classical Archaeology. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

FIRST YEAR.

*(Minor Course.)**

1st Semester.

(Given in each year.)

Major Course.

Cicero, *Letters*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.

Three hours a week.

The class is divided into three sections, one of which is assigned to each instructor. In 1918-19 it will be given in two sections.

Horace, *Odes*, Dr. Frank, Dr. Ferguson, and Dr. Swindler.

Two hours a week.

(May be taken as a free elective.)

The class is divided into three sections, one of which is assigned to each instructor. In 1918-19 it will be given in two sections.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five-hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three-hour course in Cicero only read one half of Livy I (selections) in each semester. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

* For regulations regarding the passing off of the Minor Latin, see footnote, page 179. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

2nd Semester.

Terence, *Phormio*, *Adelphoe*, and *Andria*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler. *Three hours a week.*

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Frank, Dr. Ferguson, and Dr. Swindler. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Livy I (selections) must be read by students taking the five-hour course. Livy I (selections) (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

SECOND YEAR.

1st Semester.

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.

Three hours a week.

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects. In 1917-18 one hour of this course was devoted to Latin Composition.

Lectures on Latin Literature, Dr. Frank.

Two hours a week.

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Suetonius, *Tiberius* must be read by students taking the five-hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Suetonius, *Tiberius* (first half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

2nd Semester.

Latin Comedy, Plautus, Dr. Wheeler.

Three hours a week.

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Four or five plays are read in class. In 1917-18 one hour of this course was devoted to Latin Composition.

Lectures on Latin Literature (continued), Dr. Frank.

Two hours a week.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five-hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy;

Suetonius, *Tiberius* (second half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

Group: Latin with any language, *or* with Philosophy, *or* with Classical Archæology, *or* with Ancient History, *or* with Mathematics.

FREE ELECTIVE COURSE.

Free Elective Course.

Lectures on Roman Life, Dr. Frank. *One hour a week throughout the year.*
(Given in 1917-18.)

POST-MAJOR COURSES.

Post- Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1917-18 and again in 1919-20 the following post-major courses are offered:

1st Semester.

Roman Satire, Dr. Wheeler. *Two hours a week.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

Lucretius and Catullus, Dr. Frank. *Three hours a week.*

Selections from the *De Rerum Natura* and from the Lyrics of Catullus are read.

Latin Prose Composition, Dr. Frank. *One hour a week.*

In 1919-20 this course will count as a two-hour course.

2nd Semester.

Roman Satire (continued), Dr. Wheeler. *Two hours a week.*

Martial and Pliny, Dr. Frank. *Three hours a week.*

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work of these authors.

Latin Prose Composition (continued), Dr. Frank. *One hour a week.*

In 1918-19 and again in 1920-21 the following post-major courses are offered:

1st Semester.

Roman Elegy, Dr. Wheeler. *Two hours a week.*

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the

readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Frank.

Three hours a week.

The larger part of the *Æneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Frank.

Two hours a week.

This course is specially recommended to students who intend to teach Latin. It meets one hour a week, the remaining hour being given to interviews and individual work.

2nd Semester.

Roman Elegy (continued), Dr. Wheeler.

Two hours a week.

Roman Prose of the Empire, Dr. Frank.

Three hours a week.

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix are read.

Latin Prose Composition (continued), Dr. Frank.

Two hours a week.

GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to six hours a week may be elected by graduates. **Graduate Courses.**

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry, and Elegy and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

Three hours a week throughout the year.

(Given in each year.)

In 1917-18 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1918-19 Latin Comedy will be the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoeda*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1919-20 Roman Lyric in the Period of the Republic will be the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1899 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

Latin Seminary, Dr. Frank.

Two hours a week throughout the year.

(Given in each year.)

In 1917-18 Latin Epigraphy and Palaeography is the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1918-19 Cicero's Correspondence will be the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

In 1919-20 the work will consist of a study of Roman epic.

Latin Journal Club, Dr. Wheeler and Dr. Frank.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger De Haan,* Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Jean Baptiste Beck, Dr. Howard James Savage,† Mr. Charles Dominique Vatar, Mr. Samuel Arthur King, Dr. Howard Rollin Patch, Dr. Edward Henry Sehrt, Miss Esther Cloudman Dunn, Miss Ellen Elisabeth Hill, Miss Emily Gifford Noyes, Miss Helen McGregor Noyes, Miss Susan Farley Nichols, Miss Helena Throop Geer, Miss Eva Alice Worrall Bryne, Miss Jeanne Chéron, Dr. Christine de Saraauw, and Dr. Agnes Rutherford Riddell.

* Granted leave of absence for the year 1917-18.

† Granted leave of absence for the year 1917-19 for war service.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Regina Katharine Crandall, Associate Professor, and Professor elect, of English Composition, Dr. Samuel Claggett Chew, Associate Professor of English Literature, Dr. Howard James Savage,* Associate Professor of Rhetoric and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Howard Rollin Patch, Associate in English Philology, Miss Esther Cloudman Dunn, Instructor in English Composition and Acting Director of First and Second Year English Composition, Miss Ellen Elisabeth Hill, Miss Emily Gifford Noyes, and Miss Helen McGregor Noyes, Instructors in English, Miss Eva Alice Worrall Bryne, Reader in English, and Miss Susan Farley Nichols and Miss Helena Throop Geer, Instructors in English Composition in the first semester.

The instruction offered in English covers forty-one hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with philosophy, or with philosophy and psychology, or as a free elective; six hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Composition, Anglo-Saxon, and Early and Middle English.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and

***Required
Course.***

* Granted leave of absence for 1917-19 on war service.

students. The course in English composition, though not connected with the lectures on literature and language, may not be elected separately. The courses are required to be taken in the order given below. The first year course must be completed before the second year course is taken and English Composition, Part I, must precede the first year lectures on the History of English Literature. The second year course in History of English Literature must precede the course in English Composition, Part II.

FIRST YEAR.

*1st Semester.**(Given in each year.)*

General English Composition, Part I, Miss Dunn, Miss Hill, Miss E. G. Noyes, Miss H. M. Noyes, Miss Nichols, Miss Geer. *Four hours a week.*

For the most part, the course is concerned with a rapid survey of the elements of usage and discourse, and with the study of exposition, argument, and allied topics and forms. Some attention will be paid to oral composition. The written work consists of papers both short and long and various exercises. Personal interviews between instructor and student form an important part of the work. Much stress is laid upon illustrative reading. The class meets once, and sometimes twice, a week; the divisions meet regularly twice each week.

The Principles of Articulation, Mr. King.

One hour a fortnight.

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

2nd Semester.

Lectures on the History of English Literature, Miss Donnelly.

Five hours a week.

Beginning with a history of the English language and Anglo-Saxon literature, the lectures give a brief introduction to the study of early Teutonic literature and mythology. The history of English literature to the death of Spenser and of mediæval literature, occupies the second half of the course.

The Principles of Articulation (continued), Mr. King. *One hour a fortnight.*

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Lectures on the History of English Literature from the death of Spenser to the present time, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly. *Five hours a week.*

The Sonant Properties of Speech, Mr. King.

One hour a fortnight.

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

2nd Semester.

General English Composition, Part II, Miss Dunn, Miss Hill, Miss E. G. Noyes, Miss H. M. Noyes. *Four hours a week.*

In this course the work of the first year is continued with reference to description, narration, and allied forms and topics. The arrangements as to papers, reading, interviews, class meetings, and similar matters are like those for the first year.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses. Any of the courses, except the courses in English Drama, in English Fiction in the nineteenth century, in English Literature from Dryden to Johnson and the courses in Shakespeare and in Middle English Poetry, Chaucer, may be taken separately as free electives by students that have completed the required course. All students taking a major course in English must take one course in language, and those students who wish to specialise in language must take at least one course in literature.

**Major
Course.**

FIRST YEAR.

1st Semester.

Minor Course. (Literature.)

English Critics of the Nineteenth Century, Dr. Chew. *Five hours a week.*

(Given in each year.)

Carlyle, Newman, Ruskin, Arnold, and Pater and, if time allows, a few other writers are studied with regard to their theories of criticism and to their influence upon the thought of the time. A report is required from each student attending this course.

2nd Semester.

English Poetry, 1850-1914, Dr. Chew.

Five hours a week.

(Given in 1918-19 and again in 1920-21.)

A review of the progress of poetry during the first half of the nineteenth century is followed by a more detailed study of the poets of the later period.

English Romantic Poets, Miss Donnelly.

Five hours a week.

(Given in 1917-18 and again in 1919-20.)

Wordsworth, Shelley Byron, Keats, and other writers of the years 1790-1830 are studied in their relation to the political, social, and literary movements of the time. Reports are required from all students attending the course.

1st Semester.

Language.

Middle English Romances, Dr. Patch.

Five hours a week.

(Given in 1918-19 and again in 1920-21.)

Selected romances in Middle English are read by the members of the class. The lectures deal with the development of Romance literature in Europe with special reference to the romances of the Arthurian cycle, and the discussion will include a review of the development of mediæval themes in later periods.

Anglo-Saxon Prose and Beowulf, Dr. Patch.

Five hours a week.

(Given in 1917-18 and again in 1919-20.)

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the

prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Wyatt and Chambers's text) and the first two-thirds of the poem is read with the class.

SECOND YEAR.

1st Semester.

Literature.

English Drama, Dr. Chew.

Five hours a week.

(Given in each year.)

This course comprises a survey of the early drama, close study of the Elizabethan and Jacobean dramatists (excluding Shakespeare), and an introduction to the later periods of the drama. A report is required from each student attending this course.

2nd Semester.

English Fiction in the Nineteenth Century, Dr. Savage.* *Five hours a week.*

(Given in 1916-17 and again in 1920-21.)

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

English Literature from Dryden to Johnson, Dr. Chew. *Five hours a week.*

(Given in 1917-18 and again in 1919-20.)

The chief writers studied in this course are Hobbes, Locke, Cudworth, Shaftesbury; Butler, Dryden, Pope, Prior, Gay; Steele, Addison, Defoe, Swift and Johnson.

2nd Semester.

Language.

Shakespeare, Dr. Patch.

Five hours a week.

(Given in 1918-19 and again in 1920-21.)

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work. The plays usually chosen are: *King Lear*, *Henry the Fourth, Part I*, *Hamlet*, *Romeo and Juliet*, and *The Tempest*. Some of the more general problems connected with these plays are discussed in introductory lectures and various topics are taken up such as the principles of tragedy and comedy, the use of allegory, and the development of Shakespearian criticism.

Middle English Poetry, Chaucer, Dr. Patch.

Five hours a week.

(Given in 1917-18 and again in 1919-20.)

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Lectures are given on the development of the language and literature during the period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

Group: English with any language, or English with Philosophy, or English with Philosophy and Psychology.

* See footnote, page 71.

FREE ELECTIVE COURSES.

The Technique of the Drama, Dr. Savage. *Two hours a week throughout the year**(Given in 1916-17 and again in 1919-20.)*

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the making of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

**Free
Elective
Courses.****Materials and Methods of Teaching Composition, Dr. Savage.***Two hours a week during the second semester.**(Given in 1919-20.)*

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

The Short Story, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

The course deals with various forms of narrative, more especially the short story, and includes a study of the work of representative authors, both English and French. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Versification, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

The course is not historical but theoretical and practical. Students are required to write short exercises in verse every week. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Argumentation, Dr. Crandall.*One hour a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition. In 1919-20 this course will be given two hours a week throughout the year. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Daily Themes, Dr. Crandall.*Two hours a week during the first semester.**(Given in 1918-19 and again in 1920-21.)*

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Criticism, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

The course includes a study of the principles of criticism and the writing of critical expositions, the essay, and kindred forms. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

The Short Story, Dr. Crandall. *Two hours a week during the second semester.*

(Given in 1918-19.)

This course was given two hours a week throughout the year in 1917-18. It is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Versification, Dr. Crandall. *Two hours a week during the second semester.*

(Given in 1918-19 and again in 1919-20.)

This course was given two hours a week throughout the year in 1917-18. It is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Reading of Shakespeare, Mr. King. *One hour a week throughout the year.*

(Given in 1917-18 and again in 1919-20.)

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

General Reading of Prose Authors, Mr. King.

One hour a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

This course is open only to those students who have attended the lectures in English diction given in the general course.

GRADUATE COURSES.

Graduate Courses.

There are offered each year distinct graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Seminary in English Literature, Miss Donnelly.

*Two hours a week throughout the year.**(Given in alternate years.)*

In 1918-19 Eighteenth Century Prose will be the subject of the seminary. Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1920-21 the Romantic Poets will be the subject of the seminary. Special attention will be paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent will be discussed.

In 1922-23 Donne and Milton will be the subject of the seminary. They will be studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

Seminary in English Literature, Dr. Chew.

*Three hours a week throughout the year.**(Given in each year.)*

In 1917-18 the subject of the seminary is the plays of Webster, Beaumont and Fletcher, Massinger, and Ford.

In 1918-19 the earlier Romantic Period will be the subject of the seminary. Chief attention will be devoted to the poetry of Burns, Blake, Coleridge, and Wordsworth.

In 1919-20 the seminary will study various aspects of English Literature during the reign of Victoria.

Seminary in English Composition, Dr. Crandall.

Two hours a week throughout the year.

The chief business of the seminary is the discussion and criticism of the students' own writing. Its aim is to make familiar and apply the principles and standards of criticism that have developed with the development of literature; the subject of study in each year is adapted to the purpose and interests of the students.

In 1917-18 modern fiction, English, French and Russian, is the subject of the seminary.

In 1918-19 the seminary will study the manner of writers of biography and memoirs, among others Boswell, Lord Morley and Charles Francis Adams.

In 1919-20 the subject of the seminary will be historical writing and will include a study of the manner of Gibbon, J. R. Green, Motley, Parkman and other historians.

Seminary in Middle English, Dr. Patch.

*Three hours a week throughout the year.**(Given in each year.)*

In 1917-18 the seminary studies *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1918-19 the Beginnings of English Drama will be the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles will be studied. In considering the morality plays, their connection with mediæval allegories, debates, and didactic treatises will be specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1919-20 Middle English Romances will be the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions

to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

Beowulf, Dr. Patch.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

This course begins with a careful textual study of the Beowulf. After discussing the problems of editing, a general survey of Beowulf criticism is presented including theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar, Dr. Patch.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The students examine various documents of the different periods to discover evidence of the operation of linguistic principles. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Cynewulf and Cædmon, Dr. Patch.

Two hours a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

Several of the poems traditionally ascribed to those authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

Technical and Advanced Criticism, Dr. Savage.*

Two hours a week during the first semester.

(Given in 1919-20.)

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

English Journal Club, Miss Donnelly, Dr. Chew, Dr. Crandall, Dr. Savage,* and Dr. Patch.

One and a half hours a month throughout the year.

(Given in each year.)

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Edward Henry Sehrt,† Lecturer in Teutonic Philology, Dr. Christine de Sarauw, Reader in German and Spanish, and Dr. Mary Agnes Quimby, Instructor (elect) in German.

* See footnote, page 71.

† Since only a few students are electing courses in German temporary arrangements will be made for 1918-19 for the courses offered in 1917-18 by Dr. Sehrt.

The instruction offered in German covers twenty-nine hours of lectures and recitations a week; it includes five hours a week of matriculation German; five hours a week of undergraduate major and minor work; one hour a week of free elective; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

A class for beginners in German, conducted by Dr. de Sarauw in 1917-18 and by Dr. Quimby in 1918-19, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may obtain a reading knowledge of it if they desire to do so. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in German.

Matriculation Course.

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

Major Course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. As much collateral reading as possible, done either in or out of class, will illustrate the lectures. Weicher's *Deutsche Literaturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Grillparzer, *Sappho*, and Freytag, *Die Journalisten*, must be read by students taking the course in the first semester; Hebbel, *Agnes Bernauer*, and Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Jessen.*

Two hours a week throughout the year.

German Grammar and Prose Composition, Dr. Jessen.*

One hour a week throughout the year.

The course in critical reading consists of translations of modern German prose and verse. Selections from Goethe's *Dichtung und Wahrheit* are studied and a number of Goethe's earlier writings are read by the students and discussed in class. They are selected so as to illustrate the events narrated in *Dichtung und Wahrheit*. For translation of English into German, Whitney and Stroebe's *Advanced German Composition* (Holt & Co.) and Ruskin's *Præterita* are used. German grammar is carefully reviewed in Thomas's *Practical German Grammar* (Holt & Co.).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided.

* This course was given by Dr. Sehrt in 1917-18.

The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Die Piccolomini*, *Wallenstein's Tod* (Henry Holt & Co., New York), must be read by students taking the courses in the first semester; Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

(Given in 1917-18.)

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Jessen.

Two hours a week throughout the year.

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Private reading: Goethe, *Italienische Reise*, and Lessing, *Nathan der Weise*, must be read by students taking the course in the first semester; Frenssen's *Jörn Uhl* and Nietzsche's *Essays*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Faust-Legend and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts), Dr. Jessen.

Two hours a week throughout the year.

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of such Faustlike legends in mediæval literature as those of Theophilus and Cyprian, up to Calderon's *Il magico prodigioso*, the Faust-Legend in its many pre-eminently English and German ramifications, will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings.

Private reading will be announced later.

German Prose Composition and Reading, Dr. Sehrt.

One hour a week throughout the year.

In this course the students translate selected passages of difficult English prose into German. The texts are taken from Henry Craik's *English Prose*, vol. 5 (The Macmillan Co.). Treitschke, *Kleine Schriften* will be translated into English.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Kleist's *Michael Kohlhaas* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students

taking this course in the second semester. Examinations on the private reading must be taken at the scheduled times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: German with any language.

FREE ELECUIVE COURSE.

Advanced German Composition, Dr. Sehrt.

One hour a week throughout the year.

(Offered in 1917-18.)

**Free
Elective
Course.**

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-
Major
Courses.**

German Literature from 1850 to the Present Time, Dr. Jessen.

Two hours a week during the first semester.

(Given in 1917-18 and again in 1919-20.)

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Rabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the Present Time (continued), Dr. Jessen.

Two hours a week during the second semester.

(Given in 1917-18 and again in 1919-20.)

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

Lectures on the History of German Literature from the Romantic School to 1850, Dr. Jessen.

Two hours a week during the first semester.

(Given in 1918-19 and again in 1920-21.)

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf are the principal topics discussed.

German Drama in the Nineteenth Century, Dr. Jessen.

Two hours a week during the second semester.

(Given in 1918-19 and again in 1920-21.)

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romantics. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Advanced Critical Reading, Dr. Jessen. *One hour a week throughout the year.*

(Given in each year.)

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Elementary Middle High German, Dr. Sehart.*

One hour a week throughout the year.

(Given in each year when the time of the department permits.)

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Paul's *Mittelhochdeutsche Grammatik* (8th ed., Halle, 1911) and Hartman von Aue's *Der arme Heinrich* are used.

GRADUATE COURSES.

Graduate Courses.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a

*See footnote, page 78.

major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic Philology as an associated minor and students who offer Teutonic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Seminary in German Literature, Dr. Jessen.

Two hours a week throughout the year.

(Given in each year.)

It is hoped that the students will become familiar in the seminary with the methods of scientific literary criticism and investigation.

In 1917-18 Goethe is the subject of study in the seminary.

In 1918-19 the Romanticism of early modern German literature will be studied in the seminary.

German Literary Criticism, Dr. Jessen.

One hour a week during the first semester.

(Given in 1917-18 and again in 1919-20.)

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative in character, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

The German Essay, Dr. Jessen.

One hour a week during the second semester.

(Given in 1917-18 and again in 1919-20.)

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

German Metrics, Dr. Jessen.

One hour a week during the first semester.

(Given in 1918-19 and again in 1920-21.)

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics, Dr. Jessen.

One hour a week during the second semester.

(Given in 1918-19 and again in 1920-21.)

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Goethe's *Faust*, Dr. Jessen.

Two hours a week throughout the year.

(Given in each year when the time of the department permits.)

This course is intended as an introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works, Dr. Jessen.

Two hours a week throughout the year.

(Given in each year when the time of the department permits.)

This course aims at giving an introduction into *Goethe-philologie*.

German Journal Club, Dr. Jessen and Dr. Sehart.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Edward Henry Sehart,* Lecturer in Teutonic Philology. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic and Middle High German grammar are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Teutonic Seminary, Dr. Sehart.*

Two hours a week throughout the year.

(Given in each year.)

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1917-18 the seminary is devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) will also be studied.

* See footnote, page 78.

In 1918-19 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied in the first semester. The many problems that these texts offer and the various attempts to solve them will be discussed. In the second semester modern High German texts will be the subject of the seminary.

In 1919-20 the subject of the seminary is taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Introduction to the Study of Teutonic Philology, Dr. Sehrt.*

One hour a week throughout the year.

(Given in each year.)

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

Gothic, Dr. Sehrt.*

Two hours a week throughout the year.

(Given in each year.)

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts, Dr. Sehrt.*

Two hours a week throughout the year.

(Given in each year.)

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German, Dr. Sehrt.*

One hour a week throughout the year.

(Given in each year.)

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar will be studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

* See footnote, page 78.

Old Norse, Dr. Sehrt.*

*Two hours a week throughout the year.**(Given in each year.)*

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3d ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

Old Saxon.

*Two hours a week during the second semester.**(Given in 1918-19 and again in 1920-21.)*

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German.

*One hour a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Old High German, Dr. Sehrt.*

*Two hours a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, and Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar, Dr. Sehrt.*

*One hour a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

* See footnote, page 78.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Associate Professor of French; Dr. Jean Baptiste Beck, Associate Professor of Mediaeval French Literature; Mr. Charles Dominique Vatar, Associate in Modern French Literature and Italian; Miss Jeanne Chéron, Reader in Elementary French, and Dr. Agnes Rutherford Riddell, Reader in Spanish and French; Madame Alice Hedwige Beulin, Associate (elect) in French and Dr. Margaret Steel Duncan, Instructor (elect) in French and Spanish.

The instruction offered in French covers thirty-one hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and eleven hours a week of graduate work in modern French literature and in Old French literature and language. All the courses in French except the matriculation course and the seminary in philology are conducted in the French language.

A class for beginners in French five hours a week throughout the year is provided, in order that those students whose matriculation examination did not include French may obtain a reading knowledge of it if they desire to do so. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in French. This course is given in 1917-18 by Miss Chéron and in 1918-19 by Madame Beulin and Dr. Duncan.

Matriculation Course.

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject.

Major Course.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral readings from representative French authors, Dr. Schenck and Madame Beulin.

Three hours a week.

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to give them a general survey of Modern French literature.

Private reading: Vigny, *Servitude et Grandeur Militaire* must be read by students taking the course in the first semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Dr. Schenck and Madame Beulin.

Two hours a week.

In the first semester selections from Hugo, *La Légende des Siècles* are read; in the second semester selections from the poetry of Victor Hugo are read and a special study is made of the Napoleonic cycle of poems. Some of Napoleon's speeches and proclamations are also read. In the course in syntax and composition Goodrich, *French Composition*, is used.

Private reading: Taine's *Origines de la France Contemporaine* must be read by students taking the course in the first semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

2nd Semester.

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral readings from representative French authors (continued), Madame Beulin and Dr. Duncan.

Three hours a week.

This course was conducted in 1917-18 by Mr. Vatar.

Private reading: Bourget, *Portraits Contemporains* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Madame Beulin and Dr. Duncan.

Two hours a week.

This course was conducted in 1917-18 by Dr. Beck.

Private reading: Rostand, *L'Aiglon* and Maeterlinck, *L'Oiseau Bleu* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a short passage of every-day idiomatic English. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on the history of French Literature in the seventeenth century accompanied by collateral reading, Dr. Beck. *Three hours a week.*

This course was conducted in 1917-18 by Mr. Vatar.

Private reading: First semester, E. Faguet, *Dix-Septième Siècle, Etudes et Portraits Littéraires* (Société Française d'Imprimerie et de Librairie, Paris).

Critical Readings in the Literature of the seventeenth century. Studies in French Style and Composition, Dr. Beck. *Two hours a week.*

Private reading: Pascal, *Pensées* and Buffon, *Pages Choies* (P. Bonnefon, Librairie Armand Colin, Paris) must be read by students taking the courses in the first semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

2nd Semester.

Lectures on the history of French Literature in the eighteenth century accompanied by collateral reading, Dr. Schenck. *Three hours a week.*

Private reading: Montesquieu, *Lettres Persanes*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Readings in the Literature of the eighteenth century. Studies in French Style and Composition, Dr. Schenck. *Two hours a week.*

Private reading: *Choix de Lettres du XVIII^e Siècle* (Lanson) must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question in French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: French with Italian and Spanish, or with any language, or with Modern History, or with History of Art.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

The Short Story (*Nouvelle*) in the nineteenth century, Dr. Schenck.

Three hours a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant. In 1917-18 this course met two hours a week.

Modern French Drama, Dr. Schenck.

Three hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

The course will begin with a study of the plays of the Romantic period, and will trace the development of French drama throughout the nineteenth century to the present day. A special study will be made of the modern tendencies represented by Brioux, Maeterlinck, and Paul Claudel. The course will be conducted by means of lectures, class-room discussion, and reports.

Molière and the French Comedy, Mr. Vatar.

Two hours a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

After a study of the comic elements in Mediæval epic and dramatic literature, the nature of Molière's "comique" is analyzed and compared with that of his predecessors. Molière's influence upon French and foreign comedy as a psychologist and as a playwright is discussed. In 1917-18 this course met three hours a week.

Rabelais and Montaigne, Madame Beulin.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

GRADUATE COURSES.

Graduate Courses.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses, covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers about one main topic to be studied as a part of the history of French literature in its various relations to the general literature and civilisation of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French

philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminars and a journal club for three years.

Seminary in Modern French Literature, Dr. Schenck.

Literature.

Three hours a week throughout the year.

(Given in each year.)

In 1917-18 the subject of the seminary is Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study is made of the origin and development of the theory of *L'art pour l'art*.

In 1918-19 the subject of the seminary will be Nineteenth Century Drama. After a rapid survey of the theatre of the eighteenth century a careful study will be made of the drama of Hugo, Dumas père, Vigny, and Musset, and the extent of the influence of Shakespeare on French romantic drama. The rise and development of realistic comedy will be studied and the course will close with an examination of Post-Realism, Symbolism, and Contemporary French drama.

In 1919-20 the subject of the seminary will be Romanticism and Realism. The origins of romanticism will be examined in the rise of "*le cosmopolitisme littéraire*," in eighteenth century French literature and especially in the works of Rousseau and Madame de Staël. A parallel study of the theories underlying literary and historical realism will be made in connection with Taine, Renan, Zola, and Maupassant.

Seminary in Mediæval French Literature, Dr. Beck.

Two hours a week throughout the year.

The work expected of graduate students in the seminary in Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in Mediæval French literature. During her first year of work in this seminary each student is required to take also the seminary in Romance Philology, unless she has already taken a corresponding course.

In 1917-18 the subject of the seminary in Mediæval French Literature is the Origin of French Literature from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of mediæval literature from the previous Middle Latin literature, to show the interrelations between literature written in the various languages and dialects, both Romanic and Germanic, and the religious literature, and to illustrate the international character of literature during that period. The origin of mediæval lyric poetry is derived from the Tropes and Sequences of St. Martial de Limoges and of St. Gall, the Epic Poetry from the Lives of the Saints and the dramatic literature from the Liturgy of the Church. The absolute unity of mediæval art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of fine arts, such as architecture, sculpture, painting, and music.

In 1918-19 the subject of the seminary will be Rabelais, *Gargantua et Pantagruel*.

In 1919-20 the Evolution of Dramatic and Epic Literature from the twelfth to the sixteenth century will be studied in the seminary, the development of actual stage drama from the primæval liturgical ceremonies, these and the epic parts of Scripture in relation to the Mystères; the dramatic elements contained in mediæval lyrics, such as the Aubes, Pastoureaux, Jeux-Partis and in the dialogue forms of certain types, such as the Chansons

à danse; the primitive Opera comique, a combination of lyrics and epics: Aucassin et Nicolette, Robin et Marion, le Jeu de St. Nicolas, etc. The work of the second semester will be devoted entirely to a systematic study of the origin and development of Old French epics in the light of Bédier's work.

Romance Philology, Dr. Beck.

Three hours a week throughout the year.

(Given in each year.)

The course in Romance Philology is designed to be a linguistic complement to the seminary in Mediæval French Literature and must be taken by every member of this seminary during her first year. It is also required of all students who choose French as a minor subject in the examination for the degree of Doctor of Philosophy and recommended to students from Ancient and Modern Language departments who wish to acquire a reading knowledge of Old French and an outline of Mediæval French literature. The first semester is devoted chiefly to historical grammar of the Romance Languages, especially of Old French, Old Provençal, Old Italian and Old Spanish. During the second semester selections from the most typical genres are read in the order of their evolution so as to give the students an adequate idea of the origin and a summary idea of the development of Old French Literature in particular. The students are also made acquainted with mediæval palæography and other auxiliary disciplines. Experimentation with philological methods prepares the students to do research work. The course occupies one-third of a student's time and is counted as equivalent to a seminary.

Students of Old French should be provided with E. Monaci's *Facsimili di documenti per la storia delle lingue e delle letterature Romanze*, W. Foerster's *Altfranzösisches Uebungsbuch* and K. Bartsch's *Chrestomathie de l'Ancien Français*, 11th edition.

Advanced Old French Philology, Dr. Beck.

One hour a week throughout the year.

(Given in each year.)

The influence of Mediæval Latin upon the formation of the Old French literary language is studied. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

French Literature, Madame Beulin.

One hour a week throughout the year.

(Given in 1918-19.)

Typical masterpieces of French literature of the seventeenth century will be carefully studied.

The Foundations of French Grammar, Dr. Beck.

One hour a week throughout the year.

(Given in each year.)

This course is intended to train teachers to be able to give a rational explanation of the various functions of parts of speech and to dispense with mechanical grammatical rules.

The Influence of Mediæval Latin Poetry upon Romance and Teutonic Versification, Dr. Beck.

One hour a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance languages explains the dissimilarity in their respective versification. The origin of Rime and of Isosyllabism in French.

Students who take this course are supposed to be familiar with classical and mediæval literature.

Romance Languages Journal Club, Dr. Schenck, Dr. Beck, Mr. Vatar, Madame Beulin, Dr. Riddell, Dr. DeHaan, and Dr. Duncan.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology.

Italian.

The instruction in this department is given by Mr. Charles Dominique Vatar, Associate in Modern French Literature and Italian and by Dr. Agnes Rutherford Riddell, Associate (elect) in Italian.

The instruction offered in Italian covers twelve hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Introductory Italian, Dr. Riddell.

Five hours a week throughout the year.

(May be taken as a free elective.)

**Major
Course.**

This course is specially designed to enable students (a) to read modern Italian and to write simple Italian; (b) to read Dante as soon as possible. The reading of Dante will, it is hoped, be begun before the end of the first semester. This course was conducted in 1917-18 by Mr. Vatar.

SECOND YEAR.

Lectures on the History of Italian Literature, Dr. Riddell.

Three hours a week throughout the year.

The influence of Italian on other literatures, especially English literature. Reading from Petrarch, Boccaccio, Boiardo, Ariosto, Castiglione, Tasso, Goldoni, Alfieri, Manzoni, Leopardi, Carducci and others.

Reading and Composition, Dr. Riddell. *Two hours a week throughout the year.*

Reading of modern plays and short stories, from D'Annunzio and others. Composition in Italian.

Group: Italian, or Italian and Spanish with any language, or Italian with History, or History of Art.

GRADUATE COURSES.

Graduate Courses.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Seminary in Italian Literature, Dr. Riddell.

Two hours a week throughout the year.

In 1918-19 the subject of the seminary will be the Development of the Drama. The early drama, the *commedia dell' arte*, the drama of the eighteenth century, and the modern drama will be studied.

In 1919-20 the subject of the seminary will be the Development of the Novel, with special attention to the modern novel.

If necessary, modifications will be made in the work of the seminary to meet the special requirements of students presenting themselves for it.

Romance Languages Journal Club, Dr. Schenck, Dr. Beck, Mr. Vatar, Madame Beulin, Dr. Riddell, Dr. DeHaan, and Dr. Duncan.

One and a half hours a fortnight throughout the year.

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan,* Professor of Spanish; an Instructor whose appointment will be announced later; Dr. Christine de Sarauw, Instructor in German and Spanish; Dr. Agnes Rutherford Riddell, Reader in Spanish and French, and Dr. Margaret Steel Duncan, Instructor (elect) in French and Spanish.

The instruction offered in Spanish covers fifteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; and five hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

* Granted leave of absence for the year 1917-18.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Spanish, Dr. DeHaan.*

*Five hours a week throughout the year.***Major Course.**

The object of this course is to give beginners a good knowledge of modern Spanish.

The first six weeks are given to the essentials of grammar; exercises at frequent intervals during the first semester give practice in the application of the principles; the remaining time is given to reading prose texts. In the second semester exercises in composition are continued but a greater proportion of the time is given to reading; plays in prose and in verse are read and attention is paid to versification. This course was given in 1917-18 by Dr. Riddell. In 1918-19 it will be given in two sections each conducted by Dr. De Haan for one-half of the year and by another instructor for the other half of the year.

SECOND YEAR.

(Given in each year.)

Spanish, Dr. DeHaan.*

Five hours a week throughout the year.

The work of the first year course is extended by the reading of moderately long and fairly difficult novels by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish. This course was given in 1917-18 by Dr. de Sarauw. In 1918-19 it will be given by Professor De Haan in the first semester and by an instructor whose appointment will be announced later in the second semester.

Group: Spanish, or Italian and Spanish with any language, or Spanish with History or with History of Art.

GRADUATE COURSES.

Two hours a week of seminary work or graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Graduate Courses.

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Spanish Philology, Dr. DeHaan.*

Two hours a week throughout the year.

The work of the course will consist of a study of Spanish Philology and readings in Old Spanish. The course occupies one-third of the student's time and is counted as equivalent to a seminary.

Seminary in Spanish.†

Two hours a week throughout the year.

In 1918-19 the origins of the Spanish novel will be studied.

* See footnote, page 94.

† To be given by an instructor whose appointment will be announced later.

Romance Languages Journal Club, Dr. Schenck, Dr. Beck, Mr. Vatar, Madame Beulin, Dr. DeHaan, Dr. Duncan, and Dr. Riddell.

One and a half hours a fortnight throughout the year.

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes two courses, one of three hours a week and one of two hours a week in Oriental History, two hours a week of free elective courses in Biblical Literature, and five hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

MINOR COURSE.

(Given in each year.)

Minor Course.

History of the Near East, Dr. Barton. *Three hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different

nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

History of the Far East, Dr. Barton. *Two hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

FREE ELECTIVE COURSES.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

*Free
Elective
Courses.*

Biblical Literature, Dr. Barton. *Two hours a week throughout the year.*

(One of the following courses will be given in each year, the choice depending on the registration of the students.)

History of the Old Testament Canon: In this course the history of the composition of the books of the Old Testament and their collection into a canon are studied. Special attention is given to the literary form and purpose of each book.

History of the New Testament Canon: In this course the history of the composition and collection of the books of the New Testament is studied. The instruction is given in lectures, and reading is assigned in the New Testament and in modern literature concerning it.

New Testament Biography: The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of Christian Doctrine: In the first semester the study is devoted to the Old Testament conceptions of God, Sin, and Redemption, and to Christianity as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

The Religions of the World: The course begins with a study in primitive religions of certain fundamental conceptions. The great historical religions of the world are then studied in outline with special reference to the origin, development, and fundamental ideas of each.

GRADUATE COURSES.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

*Graduate
Courses.*

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1917-18 and again in 1919-20:

Semitic Seminary, Dr. Barton.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew, one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions. In 1917-18 the seminary was given three hours a week.

Seminary in Aramaic and Arabic, Dr. Barton.

Two hours a week throughout the year.

(Not given in 1917-18.)

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Elementary Semitic Languages, Dr. Barton.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Egyptian, Dr. Barton.*One hour a week throughout the year.**(Not given in 1917-18.)*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in Oriental Archæology, Dr. Barton.*One hour a week throughout the year.*

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

In 1917-18 the seminary met two hours a week, one hour devoted to Mesopotamian and one hour to Egyptian archæology.

Hebrew Literature, Dr. Barton.*One hour a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

The following courses are offered in 1918-19 and again in 1920-21.

Semitic Seminary, Dr. Barton.*Two hours a week throughout the year.*

The work of the seminary is continued as given in 1917-18.

Comparative Semitic Grammar, Dr. Barton.*One hour a week throughout the year.*

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages. This course is to be taken in the fourth year of study of Semitic languages.

Ethiopic, Dr. Barton.*One hour a week throughout the year.*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Seminary in New Testament Greek, Dr. Barton.*One hour a week throughout the year.*

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline. A course in Greek equivalent to the major course in Greek in Bryn Mawr College is required of students taking this seminary.

Seminary in the History of Religion, Dr. Barton.*One hour a week throughout the year.*

The work of this seminary may be carried on in either of the following ways: By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view. The time may be devoted to investigating problems connected with one religion.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, Dr. James Fulton Ferguson, Associate Professor of Latin and Ancient History, Dr. Charles Wendell David, Associate Professor (elect) of History, and Dr. Wilmer Cave Wright, Associate Professor of Greek.

The instruction offered in history covers thirty-one hours of lectures a week; it includes fifteen hours a week of undergraduate major and minor work in modern history and five hours a week of minor work in ancient history; three hours a week of free elective; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and nine hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

History of Europe from 1789 to 1915, Dr. Gray and Dr. David.

Five hours a week.

(This course may be taken as a free elective. The class will be divided alphabetically into two sections, one conducted by Dr. Gray, the other by Dr. David.)

The course deals with the political and social transformation of Europe which was initiated by the French Revolution. The outcome of the Revolution, the career of Napoleon, the absolutist reaction of the early nineteenth century, the successive revolts against this, the formation of modern constitutional governments, the creation of the

German Empire and the Kingdom of Italy, the extension of European influence to Asia and Africa, and the treatment of social problems of today are among the topics studied. The instruction is given by means of lectures, required reading, written papers, and discussion.

2nd Semester.

History of Europe from 1517 to 1789, Dr. William Roy Smith.

Five hours a week.

(This course may be taken as a free elective. The course in the Civilization of the Ancient World may be substituted for this course.)

The course begins with a brief survey of the organisation of the mediæval Church, the rise and decline of the Papacy, and the pre-Lutheran reform movements. It then considers, more in detail, the Reformation, the Catholic Reformation, and the Religious Wars, the territorial expansion of France and the rise of French absolutism, the theory of the balance of power; the rise of Prussia and Russia; the expansion of England; the benevolent despotisms of the eighteenth century; and the antecedents of the French Revolution.

Civilization of the Ancient World, Dr. David.

Five hours a week.

(This course may be taken as a free elective. The course in the History of Europe from 1517 to 1789 may be substituted for this course.)

The origin of Mediterranean civilization in the Oriental Empires and its development by the genius of the Greeks and Romans will be broadly treated.

SECOND YEAR.

1st Semester.

(Given in each year.)

British Imperialism, Dr. William Roy Smith.

Five hours a week.

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

2nd Semester.

History of the Renaissance, Dr. Gray.

Five hours a week.

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

An endeavour is made to indicate in what ways mediæval life and thought were transformed into those of modern Europe. Political, economic, literary, artistic and scientific changes are therefore studied. Since Italians were prominent in the new movements, most attention is given to Italian history, but the innovations of the North, especially those connected with the new Burgundian State, are not neglected. The period extends in a general way from 1250 to 1527.

FIRST YEAR.

Ancient History.

Ancient History.

History of the Near East, Dr. Barton. *Three hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester, but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in broad outlines the history of the civilization of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs.

Outline Survey of Classical History, Dr. Ferguson.

Two hours a week throughout the year.

(Not given after 1917-18.)

The object of the course is to trace in outline the growth of Græco-Roman civilization from its beginnings to the reign of Charlemagne.

History of the Far East, Dr. Barton.

Two hours a week throughout the year.

(Given in 1918-19 and in each succeeding year.)

(This course may be taken as a free elective and may be entered in the second semester, but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

Greek Religion and Greek Myths,* Dr. Wright.

Two hours a week during the first semester.

(Given in 1918-19 and in each succeeding year.)

This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.

Literary Geography of Greece and Asia Minor,* Dr. Wright.

Two hours a week during the second semester.

(Given in 1918-19 and in each succeeding year.)

This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.

SECOND YEAR.

Ancient History.

1st Semester.

Fifth Century Athens, Dr. Ferguson.

Three hours a week.

(Not given after 1917-18.)

The political, economic, and social life of Greece, especially of Athens, during the fifth century B. C. is studied to show the influence under which Greek art and literature developed. Lectures are supplemented by reports on assigned topics.

Lectures on Roman Life, Dr. Frank.

One hour a week.

(Not given after 1917-18.)

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

* See page 63.

The Historians of Greece and Rome, Dr. Ferguson.

*One hour a week.**(Not given after 1917-18.)*

The course is intended to show the nature and worth of historical writing among the Greeks and Romans. The works of some of the more important historians are analysed to discover their methods, accuracy, and conception of history. The influence of rhetoric and biography on historical writing is studied, and some practical work in bibliography and criticism is given.

2nd Semester.

The First Century of the Roman Empire, Dr. Ferguson.

*Three hours a week.**(Not given after 1917-18.)*

The course consists of a study of the political and economic and social life of the early empire, with special reference to the reign of Augustus. Some source study, and criticism of modern accounts is given. The lectures are supplemented by reports on assigned topics.

Lectures on Roman Life (continued), Dr. Frank.

One hour a week.

The Historians of Rome (continued), Dr. Ferguson.

One hour a week.

Group: History with Economics and Politics; History with German, or with French, or with Italian, or with Spanish, or with History of Art.

FREE ELECTIVE COURSES.

History of the United States from 1865 to 1915, Dr. William Roy Smith.

*Two hours a week throughout the year.**(Given in each year.)*

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They are also taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources.

History of Europe since 1860 with reference to the War of 1914, Dr. Gray.

*Three hours a week throughout the year.**(Given in 1918-19.)*

POST-MAJOR COURSES.

England to 1485, Dr. Gray.

*Three hours a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

England under the Tudors, Dr. Gray.

*Three hours a week throughout the year.**(Not given in 1918-19.)*

*Free
Elective
Course.*

*Post-
Major
Courses.*

Attention will be given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes.

American Constitutional History to 1783, Dr. William Roy Smith.

Two hours a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

American Constitutional History from 1783 to 1865, Dr. William Roy Smith.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

The French Revolution and Napoleon, Dr. David.

Three hours a week throughout the year.

(Given in 1918-19.)

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

GRADUATE COURSES.

Three distinct seminaries, two in English and European history, and one in American history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Seminary in English and European History, Dr. Gray.

Three hours a week throughout the year.

(Given in each year.)

In 1917-18 the subject of the seminary will be England in the fifteenth century. The development of the art of war, the legislation of Lancastrian and Yorkist parliaments, the prosperity of towns and merchants, the influence of the Burgundian connection, and the effects of the War of the Roses are examined.

In 1918-19 England in the sixteenth century will be the subject of the seminary. The agrarian problem and the disorder connected with it, the increase of royal power at the expense of the old nobility, the rise of a new nobility, the renunciation by the English church of papal authority with the consequent administrative and dogmatic changes, the commercial and colonial ambitions of England, and the conflict with Spain will receive attention.

In 1919-20 the subject of the seminary is a study of the reigns of Edward III and Richard II. The progress of the Hundred Years' War, the innovations in military science, the social changes wrought by the Black Death, the attitude of government and people toward the church, the causes of the Peasants' Revolt of 1381, the rise of a native merchant class, and the composition and power of Parliament will receive attention. Contemporary chronicles and state papers are the bases of study.

Seminary in American History, Dr. William Roy Smith.

Two hours a week throughout the year.

(Given in each year.)

In 1917-18 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1918-19 the Revolution, the Confederation, and the Constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1919-20 the seminary deals with the Civil War and Reconstruction. Special stress is laid upon the social, economic and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.

Seminary in Mediæval and Modern European History, Dr. David.

Three hours a week throughout the year.

In 1918-19 the French Revolution and Napoleon will be studied in the seminary.

In 1919-20 Modern English History will be the period dealt with.

In 1920-21 England in the 12th and 13th Centuries will be the subject of the seminary.

Seminary in Ancient History, Dr. Ferguson.

Two hours a week throughout the year.

(Not given in 1918-19.)

In 1917-18 the Hellenistic Age is the subject of the seminary. The development of the Hellenistic world is traced from the formation of permanent states down to the conquest of the east by Rome. Special emphasis is given to the intellectual awakening, the formation of Greek leagues, commercial activity, and the effect of the contact of the Greek and Roman worlds.

Historical Method and Bibliography, Dr. David.

One hour a week throughout the year.

(Given in 1919-20.)

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students who offer the seminary in American History for the degree of Doctor of Philosophy.

Historical Journal Club, Dr. Gray, Dr. William Roy Smith, Dr. Ferguson, and Dr. David.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Professor of Economics and Politics, and Dr. Charles Ghequiere Fenwick, Associate Professor (Professor elect) of Political Science, Miss Clara Estelle Mortenson, Instructor in Labour, Economics and Politics, and Miss Marjorie Lorne Franklin, Instructor (elect) in Economics and Politics.

The instruction offered in this department covers twenty-two hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour of free elective, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and six hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Introduction to Economics, Dr. Marion Parris Smith and Miss Franklin.

Five hours a week.

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Marion Parris Smith and one by Miss Franklin. Miss Mortenson conducted one section in 1917-18.)

The objects of this course are to introduce the students to the economic problems in the modern state, and to train them to think clearly on economic subjects. The subjects considered are production, agricultural and industrial; distribution of wealth, the mechanism of exchange, economic institutions of money, banking, foreign exchange, markets; transportation, etc.

Students are required to write occasional short papers in connection with their private reading, and one short report on a specially assigned topic.

2nd Semester.

Introduction to Government and Politics, Dr. Fenwick and Miss Franklin.

Five hours a week.

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Fenwick and one by Miss Franklin. Miss Mortenson conducted one section in 1917-18.)

The object of this course is to present the structure and organization of the government of the United States and of the government of the several states, together with an examination of the party system and its effects upon the actual operations of government. It is followed by a comparative study of the governments of Great Britain, France, and Germany.

SECOND YEAR.

1st Semester.

(Given in each year.)

Present Political Problems, Dr. Fenwick.

Five hours a week.

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to present the chief political problems which have arisen in recent years. The several branches of the federal and state governments are taken up one by one and such questions discussed as: the influence of the Executive over Congress; the conflict between treaties and legislation; the relation of the administrative departments to Congress; Committee rule in Congress, the growth of the judicial power and proposals for restricting it; the courts and social legislation; the initiative, referendum and recall; commission government in cities, etc. The course will be preceded by a brief study of modern theories relating to the end and object of the state, in order to ascertain the proper sphere of the activities of the state.

2nd Semester.

History of Economic Thought, Dr. Marion Parris Smith.

Five hours a week.

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to give advanced students an historical introduction to certain modern economic problems of value and distribution. The course is divided into two parts: Part I deals with the history of certain economic ideas from the middle of the eighteenth century to the present.

The students are expected to read critically portions of standard texts, including those of Turgot, Adam Smith, Ricardo, Malthus, J. S. Mill, Jevons, and certain of the Austrian economists. Part II consists of a study of certain modern economic problems in value

and distribution. Occasional short papers in connection with the reading, and one long report on some specially assigned subject are required.

Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology or with Geology.

FREE ELECTIVE COURSE.

Free Elective Course.

Elements of Private Law, Dr. Fenwick. *One hour a week throughout the year.*
(Given in each year.)

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and Negotiable Instruments. The lectures are supplemented by a study and discussion of court cases bearing on the subject.

POST-MAJOR COURSES.

Post- Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Economic and Social Legislation in England and America since 1890, Dr. Marion Parris Smith. *Three hours a week throughout the year.*

(Given in 1917-18 and again in 1919-20.)

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

American Economic and Social Problems, Dr. Marion Parris Smith.

Three hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

The object of this course is, first, to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; the marketing and distribution of food, the cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

International Law, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1917-18 and again in 1918-19.)

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the

rules relating to war and neutrality at the present time, greater attention is paid to these than to the laws prevailing between nations at peace.

Constitutional Law of the United States, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1919-20.)

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

GRADUATE COURSES.

Six hours a week of seminary work and graduate lectures are offered **Graduate Courses.** each year to graduate students of economics and politics.

Three seminars, one in economics, two in political science, are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is given in the Department of Social Economy. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Economics Seminary, Dr. Marion Parris Smith.

Two hours a week throughout the year.

(Given in each year.)

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1917-18 Economic History and Economic Theory in the United States from 1793 to 1850 are studied.

In 1918-19 the Tariff, Currency and Banking in the United States will be the subjects of the seminary.

In 1919-20 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth are studied. Special attention is paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

Politics Seminary, Dr. Fenwick.

Three hours a week throughout the year.

(Given in each year.)

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1917-18 Municipal Government is the subject of the seminary.

In 1918-19 Constitutional Questions involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States will be studied from the point of view of the restrictions placed by the Constitution

upon the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the state will be discussed.

In 1919-20 the Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students will be required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

Politics Seminary, Miss Franklin.

Three hours a week throughout the year.

In 1918-19 municipal government will be the subject of the seminary.

Economics and Politics Journal Club, Dr. Marion Parris Smith, Dr. Fenwick, Miss Mortenson, and Miss Franklin.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Economy and Social Research; Miss Angie Lillian Kellogg, Instructor (Associate elect) in Social Economy and Social Research; Miss Clara Estelle Mortenson, Instructor in Economics and Politics and in Social Economy; Miss Anne Bezanson, Instructor (elect) in Social Economy and Social Research; Miss Anna Christine McBride, Reader in Statistics and Secretary to the Department of Social Economy and Social Research, with the co-operation of the following members of the closely allied departments of Economics and Politics,¹ Psychology, Education, and Philosophy: Dr. Marion

Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology and Education; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Dr. Matilde Castro, Professor of Education; Dr. David Hilt Tennent, Professor of Biology, and Dr. M. Leola Carrico, Assistant Resident Physician of the College. The seminars and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergraduate students are admitted although graduate students in the department in addition to the undergraduate courses in economics and political science may elect, subject to the approval of the Director, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, psychology, philosophy, or history, and also preliminary work in psychology or biology, or should follow such courses while taking the work of the department.

The courses* are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and statistics and the remaining one-third to practical work and investigation in her chosen field. After one year of work in this department one half year may be spent in residence in a social service institution or in connection with a social welfare organization in Philadelphia, or New York, or elsewhere, during which time the practical work and special reading and research will be supervised by the Director of the Department and the head of the institution or organization.

* For special Graduate Courses in Industrial Supervision organized in June, 1918, to meet the war emergency demand see separate pamphlet to be obtained from the office of the Secretary and Registrar.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the years 1915-18 to an arrangement for co-operative work with the College Settlement, the Criminal Division of the Municipal Court, the Society for Organizing Charity, the Division of Employment of the Bureau of Compulsory Education, the Women's Trade Union League, the Social Service Departments of the University of Pennsylvania Hospital and of the Pennsylvania Hospital, the Bryn Mawr Community Center, the Massachusetts Minimum Wage Commission, the Federal Children's Bureau, the Children's Aid Society, the Juvenile Court, and the Consumers' League, the State Committee on Women in Industry of the Council of National Defense, and the Committee on Enlistment and Placement of the State Department of Public Safety.

Graduates of colleges other than Bryn Mawr College with the preparation specified above who are able to study for one year only will receive diplomas certifying to the work they have taken. As the degree of Master of Arts is conferred only on graduates of Bryn Mawr College it is hoped that this diploma will in many cases be accepted for the master's degree in the colleges and universities from which students have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

Graduate students that have completed the above preliminary work in Economics and Political Science, or its equivalent who are able to study for two years only will receive a diploma certifying to the work they have taken in the Graduate Department of Social Economy and Social Research.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select the associated or independent minor from the following seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee.

Four seminars, two graduate courses, and a practicum counting as a seminary are given each year in the Carola Woerishoffer Department in addition to seminars and courses in economics, politics, education, philosophy, and psychology. Direction of investigation and research in special fields, and supervision of the practicum in social service and welfare accompanies the seminars and courses. The seminars and courses announced by the department are given in rotation so that different courses may be taken through three consecutive years. The selection of courses depends upon the field of social work which the student may choose. A seminary in Social Economy or a seminary in Social Theory, and, unless previously taken, a post-major course in Elements of Statistics and Methods of Social Research are required of all students of the department.

FREE ELECTIVE COURSES.

Elements of Statistics, Miss Bezanson. *One hour a week throughout the year.*

(Given in each year.)

**Free
Elective
Course.**

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation.

The course is recommended to students of social economy and of economics and to those students interested in the study of record keeping and filing. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

This course was given in 1917-18 by Miss McBride.

Record Keeping and Social Investigation, Dr. Kingsbury.

Two hours a week throughout the year.

(Given in 1918-19.)

The object of the course is to acquaint the student with the principles and methods of record keeping and filing which are applicable to municipal, state, and federal offices, to business organizations, and to social organizations and investigation, and with the methods of securing, analyzing, interpreting and presenting social data. The best systems in use will be analyzed and studied. Preparation of the various types of schedules, tabulation of information secured, and the preparation of tables are among the subjects considered. The course concludes with a critical study of the methods used in social economic investigations and of reports by federal and state departments and by private organizations. This course must be accompanied by the course in Elements of Statistics.

Social Betterment and Civilian Relief, Dr. Kingsbury.

Two hours a week throughout the year.

(Given in 1918-19.)

During the period of the war this course will present the principles and methods used in the conduct of what is known as Civilian Relief or Home Service under the American Red Cross. As these methods are akin to those used in the Charity Organization Society, the principles of case work will be carefully presented and various case records both from

the Charity Organization Society and from Home Service experience will be studied in the class. Opportunity to attend case conferences will be offered to the students. The course will include a survey of the origin, growth, and present methods of the most important social service and social welfare organizations in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centres or other neighbourhood organizations; (2) improvements of industrial conditions, through associations for labour legislation, labour organizations, or consumers' efforts; (3) vocational guidance, through vocational advising, through placement, or through adjustment of employment; (4) child welfare, through societies for care and protection of children; (5) family care, through organizations for the reduction and prevention of poverty; (6) social guardianship, through the probation work in the juvenile courts or corrective institutions.

This course is open to students who have had or are pursuing Minor Economics or General Psychology. It is substituted for the post-major courses in Social Betterment and Methods of Social Research given in 1917-18.

GRADUATE COURSES.

Graduate Courses.

The following graduate courses* may be elected subject to the approval of the Director of the Department by students working for the first and second year diplomas as well as by candidates for the degree of Doctor of Philosophy in Social Economy and Social Research.

Seminary in Social Research, Dr. Kingsbury.

Three hours a week throughout the year.

(Given in each year.)

In 1917-18 the subject of the seminary is Women in Industry, accompanied by field research in Philadelphia.

In 1918-19 the subject of the seminary will be Income and Wages of Families in Industrial Pursuits, with special reference to married women in industry.

In 1919-20 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) vocational opportunities and demands, (3) standards of living, including income and wages, (4) the relation of health and industry, (5) industrial relations of women and minors. Research including field work with conferences will be required of research fellows and scholars and will be offered to every student. A group of students may co-operate to produce a study which, it is hoped, will prove a contribution to our knowledge of the social or industrial conditions investigated.

As the chief subjects of investigation will vary from year to year, as noted above, it will be possible for students to follow the work of the seminary for three consecutive years.

Seminary in Social Institutions, Miss Kellogg.

Two hours a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

The subject of the seminary is a study of domestic relations, kinship groups, marriage and the family, industrial organizations, the church, the state, schools, courts of justice, classes, and rights.

Seminary in Social Origins and Social Evolution, Miss Kellogg.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

The phases of Social Theory studied are the sentiments, the political and moral tendencies, and the religious and mental traits of primitive man as expressed in language, material invention, activities, and formation, dispersions and struggles of primitive groups.

* See footnote, page 111.

Seminary in Social Economy, including the Practicum, Dr. Kingsbury and Miss Kellogg.

Two hours a week throughout the year.

(Given in each year.)

This seminary combines practical work in one of the following fields with reading, reports and discussions: (a) Social Relief; (b) Social Guardianship; (c) Social Education. In connection with this seminary each student should take a corresponding course in theory: (a) Social Treatment of Dependents; (b) Social Treatment of Delinquents and Defectives; (c) Essentials of Educational Theory and Practice for Social Workers. One-third of the time of each student* in the department should be devoted to a practicum which shall come under the joint direction of a member of the department of Social Economy and the head of the social welfare institution with which the student elects to take this work. The work must be of a sufficiently practical character to give the student both the necessary training to fit her to enter her selected field at the close of the course and at the same time a general knowledge of the subject and a theoretical understanding of its problems, methods, and technique.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the years 1915-16 to 1917-18 to an arrangement for co-operative work with the College Settlement under Miss Anna Davies, the Criminal Division of the Municipal Court under Dr. Louise Stevens Bryant, the Society for Organizing Charity under Miss Betsey Libbey, the Division of Employment of the Bureau of Compulsory Education under Mr. Henry J. Gideon and Miss Anna Pratt, the Women's Trade Union League under Miss Florence Sanville, the Social Service Department of the Hospital of the University of Pennsylvania under Mrs. Helen Glenn Tyson and Miss S. Sawtelle and of the Pennsylvania Hospital under Mrs. Magee, the Children's Bureau under Mr. M. Byall, the Bryn Mawr Community Center under Miss Hilda W. Smith, the Massachusetts Minimum Wage Commission under Miss Nathalie Matthews, the Federal Children's Bureau under Miss Julia Lathrop, the Children's Aid Society under Mr. E. D. Solenberger, the Juvenile Court under Mrs. Jane Rippin, and the Consumers' League under Miss Lauder.

Seminary in Trade Unionism, Miss Mortenson.

Two hours a week throughout the year.

(Given in 1917-18.)

This seminary is devoted to an intensive study of Trade Unionism, its aims, principles, policies, demands, and methods. Some secondary material is used, but for the most part primary sources form the basis for study. Opportunity is given the student to attend union meetings, meet union officials, and read union constitutions, reports, records, trade agreements, and periodicals.

Seminary in Methods of Promoting Industrial Peace, Miss Bezanson.

Two hours a week throughout the year.

(Given in 1918-19.)

In this seminary will be studied profit sharing, welfare arrangements, sliding scale, collective bargaining, conciliation, mediation and arbitration. A special study will be made of the methods used during the war to secure harmony between Capital and Labour.

Seminary in Industrial Organization, Miss Bezanson.

Two hours a week throughout the year.

(Given in 1919-20.)

* Students who have had satisfactory experience in their chosen field may devote all their time to courses in theory and allied subjects.

This seminary undertakes a study of business organization as an element in industrial society. The aspects of the industrial combination in its effects upon efficiency and wages are especially emphasized.

Advanced Social Statistics, Miss Bezanson.

Two hours a week throughout the year.

(Given in each year.)

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, spurious correlation, skew correlation, partial correlation, and the theory of contingency.

The course must be preceded or accompanied by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension. It was given in 1917-18 by Miss McBride.

If accompanied by the Special Laboratory Problems in Statistics sufficient work may be assigned to make the course equivalent to a seminary.

Special Laboratory Problems in Statistics, Miss Bezanson.

Seven hours a week throughout the year.

(Given in each year.)

This course is offered in each year in connection with the course in Advanced Social Statistics and in connection with that course sufficient work may be assigned to make the course equivalent to a seminary.

Social Treatment of Dependents, Miss Kellogg.

Three hours a week during the first semester.

(Given in each year.)

This course involves a study of the principles, methods, and agencies employed for the prevention, relief and cure of dependency, defectiveness, and delinquency, such as family case-work, outdoor relief, and institutional care. This course is planned to accompany the seminary in Social Economy including the practicum in Social Relief and Social Education.

Social Treatment of Delinquents and Defectives, Miss Kellogg.

Three hours a week during the second semester.

(Given in each year.)

This course involves a study of the principles, methods, agencies and institutions employed for the prevention, care and cure of defectives and delinquents, such as juvenile courts, probation and parole systems, the indeterminate sentence and psychological laboratories in connection with the courts. This course is planned to accompany the seminary in social economy including the practicum in Social Guardianship.

Social Administration, Miss Kellogg.

Two hours a week during the first semester.

(Given in each year.)

The object of this course is to study the functions and departments of state boards of charities and corrections; state boards of education; organized charities; other social welfare reformatory and educational institutions; boards of managers' and superintendents' reports; and especially the making of statistical reports and budgets.

Legal Procedure in cases involving women and children, Miss Kellogg.*Two hours a week during the second semester.**(Given in each year.)*

The administrative side of the law affecting women and children is presented in this course. It includes a study of the law as applied in juvenile courts, domestic relations courts, and other municipal courts.

Criminal Law.*Two hours a week throughout the year.*

By special arrangement with the Law School of the University of Pennsylvania students in this Department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course may accompany the course in Social Treatment of delinquents and defectives (Criminology) and the course in Legal Procedure in cases involving women and children.

Criminal Procedure.*Two hours a week throughout the year.*

By special arrangement with the Law School of the University of Pennsylvania students in this Department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Seminary in Essentials of Educational Theory and Practice for Social Workers, Dr. Castro.*Two hours a week during the second semester.**(Given in each year.)*

The subjects studied in this course are selected so as to serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Economics Seminary, Dr. Marion Parris Smith.*Two hours a week throughout the year.*

In 1917-18 Economic History and Economic Theory in the United States from 1793 to 1850 are studied.

In 1918-19 Studies in the Tariff, Currency and Banking in the United States will be the subjects of the seminary.

In 1919-20 the Theories and Problems of Distribution and the agencies in modern social life that affect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

Political Seminary, Dr. Fenwick.*Three hours a week throughout the year.*

In 1917-18 Municipal Government is the subject of the seminary.

In 1918-19 Constitutional questions involved in modern economic and social problems will be the subject of the seminary. The chief economic and social problems of the United States will be studied from the point of view of the restrictions placed by the Constitution on the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the State will be discussed.

In 1919-20 Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

Psychological Seminary, Dr. Leuba.*Two hours a week throughout the year.*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.) animal behaviour.

Seminary in Social Psychology, Dr. Leuba.*Two hours a week during the first semester.*

In 1917-18 and again in 1919-20 Temperament and Character, their instinctive and emotional foundation, will be the subject of the seminary.

In 1918-19 and again in 1920-21 the principles of social psychology and their applications to social problems are the subject of the seminary.

This seminary is open to students who have pursued an elementary course in Psychology. It may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Social and Political Philosophy, Dr. T. de Laguna.*Two hours a week during the second semester.**(Given in each year.)*

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in Philosophy. It may be elected separately or may be combined with the seminary in social psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Educational Methods and Measurements, Dr. Castro.*Three hours a week throughout the year.**(Given in 1918-19 and in each succeeding year.)*

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Applied Psychology, Dr. Rand.*Two hours a week throughout the year.***Laboratory Work.***Four hours a week throughout the year.**(Given in each year.)*

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents, and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Social Hygiene, Dr. Carrico.

One hour a week during the first semester.

Social Economy Journal Club, Dr. Kingsbury, Miss Kellogg, Miss Bezanson and Miss McBride.

Two hours once a fortnight throughout the year.

Current books and articles are reviewed, recent reports, surveys and investigations are criticized, and the results of important research are presented for discussion.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, and Dr. Ethel Ernestine Sabin, Associate in Philosophy.

The instruction offered in this department covers eighteen and a half hours of lectures a week: it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; and six hours a week of graduate work.

A course in philosophy, five hours a week throughout one semester, and a course in psychology, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, mathematics, or physics.

A combination of five hours a week for one year of the minor course in philosophy with five hours a week for one year of the minor course in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics. The minor or major course in philosophy amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

Introduction to Philosophy, Dr. Theodore de Laguna, Dr. Grace de Laguna and Dr. Sabin.

Five hours a week during the first semester.

(Given in each year.)

**Required
Course.**

(The class is divided into three sections and each section assigned to a different instructor).

The course consists of discussions of certain fundamental problems of metaphysics based as far as possible upon recent philosophical literature. Every effort will be made to foster independence and sincerity of thought rather than to impress upon the students any system of philosophical dogmas.

FIRST YEAR.

*(Minor Course.)**1st Semester.**(Given in each year.)***Major Course.**

History of Philosophy, Dr. Theodore de Laguna.

Five hours a week.

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

2nd Semester.

Elementary Logic and Ethics, Dr. Grace de Laguna.

Five hours a week.

The equivalent of two hours a week for a semester is devoted to logic and the remainder to ethics. The instruction in logic covers the topics of definition, classification, the interpretation of propositions, the syllogism, the inductive methods, analogy and the use of hypotheses. In the lectures on ethics special attention will be given to the relations between moral standards and the persistent and developing requirements of social organization.

1st Semester.

SECOND YEAR.

From Kant to Spencer, Dr. Sabin.

Five hours a week.

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, John Stuart Mill, and Spencer.

2nd Semester.

Recent Philosophical Tendencies, Dr. Theodore de Laguna.

Five hours a week.

The object of this course is to give the student an introduction to the most important and significant recent movements of thought. Among the theories discussed are neo-realism, the pragmatism of James and Dewey, and the intuitionism of Bergson.

Group: Philosophy with Greek, *or* with Latin, *or* with English, *or* with Economics and Politics, *or* with Psychology, *or* with Mathematics, *or* with Physics, *or* with Geology; Philosophy and Psychology with Greek *or* with English *or* with Economics and Politics *or* with Mathematics *or* with Physics.

GRADUATE COURSES.

Graduate Courses.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research.

A seminary in logic and metaphysics is offered each year and a seminary in ethics and one in the history of philosophy are offered in alternate years. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing Philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and

independent minors see the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Ethical Seminary, Dr. Theodore de Laguna.

Two hours a week throughout the year.

In 1917-18 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, is the subject of the seminary. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1919-20 the subject will be Recent French Ethics as represented by Fouillée, Paulhan, Belot, Durkheim, and Levy-Bruhl.

Seminary in Logic and Metaphysics, Dr. Theodore de Laguna.

Two hours a week throughout the year.

In 1918-19 English Empiricism will be discussed in the seminary. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

In 1920-21 Inductive and Genetic logic will be the subject of the seminary. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.

Two hours a week during the second semester.

(Given in each year.)

The topics chosen for discussion vary from year to year. Prominent among them are: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Logic and Metaphysics, Dr. Grace de Laguna.

Two hours a week throughout the year.

In 1917-18 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton is the subject of the seminary.

In 1919-20 the Nature of Consciousness will be the subject of the seminary. During the first semester the psychophysical aspect is examined and during the second semester the epistemological aspect.

Seminary in the History of Philosophy, Dr. Sabin.

** Two hours a week throughout the year.*

In 1918-19 Descartes and Spinoza will be studied with special reference to their view of the relation between idea and object.

In 1920-21 the philosophy of Kant will be the subject of the seminary. The principal writings of the critical period will be read and a careful study will be made of the final organization of Kant's system in the *Critique of Judgment*.

Philosophical Journal Club, Dr. Theodore de Laguna, Dr. Grace de Laguna, and Dr. Sabin.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Applied Psychology, Dr. Ethel Ernestine Sabin, Associate in Philosophy, Miss Elizabeth Kline Stark, Assistant Demonstrator in Experimental Psychology and Miss Mildred Clark Jacobs, Assistant Demonstrator in Applied Psychology.

The instruction offered in this department covers twenty-four and a half hours of lectures a week; it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective work and ten hours a week of graduate work.

A course in psychology, five hours a week throughout one semester, and a course in philosophy, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of five hours a week for one year of the minor course in psychology with five hours a week for one year of the minor course in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

The minor or major course in psychology amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

Psychology, Dr. Leuba and Dr. Sabin.

Five hours a week during the second semester.

(Given in each year.)

The text-book used is Pillsbury's *Fundamentals of Psychology*. In connection with the lectures there are experimental demonstrations.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Experimental Psychology, Dr. Ferree and Dr. Rand. *Five hours a week.*

Laboratory work, Dr. Ferree and Dr. Rand. *Four hours a week.*

Major Course.

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practice in selected topics.

2nd Semester.

The Psychology of Instinct, Emotion, and Animal Behaviour, Dr. Leuba. *Five hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of learning in man.

SECOND YEAR.

1st Semester.

(Given in each year.)

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science, and Art, Dr. Leuba.

Five hours a week.

(Open only to those students who have taken the minor course in psychology five hours a week in the second semester. Experimental psychology is not a prerequisite. May be taken as a free elective.)

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The political institutions, magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

2nd Semester.

Applied Psychology, Dr. Rand. *Five hours a week.*

Laboratory work, Dr. Rand. *Four hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week throughout the year. May be taken as a free elective.)

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of the mental equipment of children of different ages and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Group: Psychology with Philosophy, or with Mathematics, or with Physics, or with Biology, or Philosophy and Psychology with Greek, or with Latin, or with English, or with Economics and Politics, or with Mathematics, or with Physics.

FREE ELECTIVE COURSE.

**Free
Elective
Course.****Advanced Experimental Psychology, Dr. Ferree.***Two hours a week throughout the year.**(Given in each year.)*

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will cooperate with the students in the solution of some original problems. A reading knowledge of French and German is required.

GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Psychological Seminary, Dr. Leuba.*Two hours a week throughout the year.**(Given in each year.)*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling, emotion and conation; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.); animal behaviour; psychology of the beautiful.

Seminary in Social Psychology, Dr. Leuba.*Two hours a week during the first semester.*

In 1917-18 and again in 1919-20 Temperament and Character and their instinctive and emotional foundation are studied.

In 1918-19 and again in 1920-21 the Principles of Social Psychology and their applications to problems of industry and government are the subject of the seminary.

This seminary together with the seminary in Social Philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Seminary in Systematic Psychology, Dr. Ferree.*Three hours a week throughout the year.**(Given in each year.)*

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the

simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Seminary in Research Methods and Problems, Dr. Ferree and Dr. Rand.

Three hours a week throughout the year.

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Seminary in Applied Psychology, Dr. Rand.

Two hours a week throughout the year.

Laboratory Work, Dr. Rand.

Four hours a week throughout the year.

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults and adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests and their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reactions to the tests as well as practice in giving the tests. Later the work is with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Applied Psychology, Dr. Rand.

Four hours a week throughout the year.

This course is offered to students who have attended the seminary in Applied Psychology and wish to pursue more advanced work.

Psychological Journal Club, Dr. Leuba, Dr. Ferree, and Dr. Rand.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.

The laboratory work consists of individual practice and research.

Education.

This school is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Matilde Castro, Professor of Education and Director of the Phebe Anna Thorne Model School, Professor James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological

Laboratory, and Dr. Ada Hart Arlitt, Associate in Educational Psychology.

The work of the Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate Department of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne Model School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at nine or ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven or eight years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. It is believed that the opportunity of studying the newest approved methods

of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

FREE ELECTIVE COURSES.

Education, Dr. Castro.

Two hours a week throughout the year.

(Given in each year.)

**Free
Elective
Courses.**

The course discusses modern educational problems. It is designed primarily to meet the needs of students who intend to teach but will also be of service to students who are interested in the development of children.

Experimental Educational Psychology, Dr. Arlitt.

Three hours a week throughout the year.

(Given in 1918-19 and in each succeeding year.)

Laboratory Work, Dr. Arlitt.

Two hours a week throughout the year.

The course covers the general field of educational psychology from the point of view of laboratory experiments. Special stress is laid on the learning process.

GRADUATE COURSES.

In addition to two seminaries in education, and a seminary in the study of children and in educational psychology there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic and experimental psychology recommended to students of education. Students electing education as their major subject for the degree of Doctor of Philosophy must elect educational psychology as the associated minor and students electing educational psychology as a major must elect education as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

**Graduate
Courses.**

Seminary in Principles and Methods of Education, Dr. Castro.

Three hours a week throughout the year.

(Given in 1917-18.)

The principles of education and the methods which bear most directly on the selection and teaching of the school curriculum are the subject of the seminary.

Child Study forms the central topic of the seminary. The study of the growth rhythms and mental development of the child from infancy through typical stages of physical, mental, and moral development will be the point of departure for the consideration of special problems in educational theory and practice.

Seminary in Educational Methods and Measurements, Dr. Castro.

Three hours a week throughout the year.

(Given in 1918-19 and in each succeeding year.)

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Educational Psychology, Dr. Castro.

*Three hours a week throughout the year.**(Given in 1918-19 and in each succeeding year.)*

The seminary considers the main categories of educational psychology and studies especially the psychology of school and high school subjects. If the student's training in psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements either as a preliminary seminary or by special permission at the same time.

Seminary in Intelligence Tests, Dr. Arlitt.

Two hours a week throughout the year.

Laboratory Work in Intelligence Tests, Dr. Arlitt.

*Four hours a week throughout the year.**(Given in each year.)*

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

English Enunciation, Mr. King. *One hour once a fortnight throughout the year.**(Given in each year.)*

Journal Club in Education, Dr. Castro and Dr. Arlitt.

Two hours once a fortnight throughout the year.

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

Classical Archæology.

The instruction in this department is under the direction of Dr. Joseph Clark Hoppin, Professor of Classical Archæology, Dr. Rhys Carpenter,* Associate Professor and Professor (elect) of Classical Archæology, Professor Wilmer Cave Wright, Associate Professor of Greek, and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology.

An archæological seminary of two hours a week and a lecture course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major

* Granted leave of absence for 1917-19 for military service.

subject should offer General Archæology, Topography and Monuments of Ancient Athens, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Egypt, Crete and Prehistoric Greece, Ancient Architecture, and Ancient Painting and Vases. The elective courses in Greek Religion and Greek Myths and Literary Geography of Greece and Asia Minor may be substituted for the courses in Ancient Athens and Ancient Rome.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

General Archæology, Dr. Hoppin.

Three hours a week throughout the year.

**Major
Course.**

The course is intended as an introduction to the study of Classical Archæology. It is general in its treatment and covers practically all the subjects which are usually included in the field, Architecture, Sculpture, Vases, Coins, Gems, Bronzes, Toreutics and Terracottas, omitting however Epigraphy and Topography.

Topography and Monuments of Ancient Athens, Dr. Hoppin.

Two hours a week during the first semester.

The course will discuss the various existing monuments of Ancient Athens and the recent excavations.

Ancient Rome, Dr. Swindler.

Two hours a week during the second semester.

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

Greek Religion and Greek Myths,* Dr. Wright.

Two hours a week during the first semester.

Literary Geography of Greece and Asia Minor,* Dr. Wright.

Two hours a week during the second semester.

SECOND YEAR.

(*Minor Course.*)

(*Given in each year.*)

Ancient Egypt, Dr. Hoppin.

Three hours a week during the first semester.

The course will deal with the history and art of Ancient Egypt down to the Roman period, especial attention being given to architecture and painting.

Crete and Prehistoric Greece, Dr. Hoppin.

Three hours a week during the second semester.

* See page 63.

In the course a careful analysis will be given of the Minoan civilization of Crete and the Mycenaean civilization of the Greek mainland, as illustrated by the existing monuments. The Homeric poems will also be discussed in so far as they are related to the period.

Ancient Architecture, Dr. Hoppin. *Two hours a week during the second semester.*

An introductory outline of Egyptian, Cretan, and Mycenaean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome.

Ancient Painting and Vases, Dr. Swindler.

Two hours a week during the first semester.

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

GRADUATE COURSES.

A seminary in archæology, a graduate course, and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Archæological Seminary, Dr. Hoppin. *Two hours a week throughout the year.*

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1917-18 Greek vase painting is studied in the first semester, and Roman architecture in the second semester.

In 1918-19 fifth century Greek sculpture will be the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

In 1919-20 Greek minor arts (coins, gems, terra-cotta) will be studied.

Ægean Archæology with emphasis on the recent discoveries in Crete, Dr. Swindler.

One hour a week during the first semester.

Ancient Painting, Dr. Swindler. *One hour a week during the second semester.*

The work includes a detailed survey of Cretan frescoes, painted plaques, stelæ and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration, and the mummy portraits from the Fayûm.

Archæological Journal Club, Dr. Hoppin and Dr. Swindler.

One and a half hours a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Professor of the History of Art, Miss Helen E. Fernald, Instructor (elect) in History of Art, and Miss Helen Lathrop, Demonstrator in the History of Art.

A seminary of two hours a week and a journal club of one hour a week are offered to graduate students who have done elementary work in history of art. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week on painting, sculpture and architecture.

All the courses are illustrated with lantern slides, and photographs are available for review and comparison.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

Major Course.

Three hours a week throughout the year.

(May be taken as a free elective.)

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture, Miss King.

Two hours a week throughout the year.

(May be taken as a free elective.)

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

SECOND YEAR.

(Given in each year.)

Painting in the Seventeenth and Eighteenth Centuries, Miss Fernald.

Three hours a week throughout the year.

(May be taken as a free elective.)

In the first semester the Dutch, German, and Flemish painters are studied, in the second semester the French, Spanish, and English. The course is illustrated with photographs and lantern slides. In 1917-18 the course was given by Professor King.

Renaissance Sculpture, Miss King.*Two hours a week throughout the year.**(May be taken as a free elective.)*

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

FREE ELECTIVE COURSES.**Free
Elective
Courses.****Renaissance Architecture, Miss King.***Two hours a week throughout the year.**(Given in 1919-20.)*

The architecture of the Italian Renaissance will be studied in the first semester, that of France, Germany, Spain and England in the second semester. Lantern slides and photographs will be used for illustration.

Modern Painting, Miss King.*Three hours a week throughout the year.**(Given in 1917-18.)*

This course is an elective open only to students who have completed at least five hours for one year in the history of art, or an equivalent course. It deals with the history of painting since 1830 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures, as often as may seem necessary.

Japanese and Chinese Art, Miss Fernald.*Two hours a week throughout the year.**(Given in 1918-19.)*

The course deals with the Arts of China and Japan, especially painting, with emphasis upon the work of the Len painters, of Shesshu and his followers, of the Kano and Korin schools, and the school of Japanese colour prints.

POST-MAJOR COURSE.**Post-
Major
Course.****Spanish Painting, Miss King.***Three hours a week throughout the year.**(Given in 1918-19.)*

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting will be considered from the early miniature painters down to living painters. Students will be expected to learn something about Spanish history and characters and to make short trips to see paintings on exhibition in the United States.

GRADUATE COURSES.**Graduate
Courses.**

Two hours a week of seminary work are offered each year to graduate students of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor

and major courses of the department amounting to ten hours a week may be elected by graduate students.

Seminary in Modern Art, Miss King. *Two hours a week throughout the year.*

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1917-18 the subject is Modern Art from the commencement of the romantic movement to the contemporary theories. Students are expected to be familiar already with the Old Masters, and to read French and German. Arrangements will be made for trips to Philadelphia and New York to study new pictures.

In 1918-19 the subject of the seminary will be the Spanish Primitives.

In 1919-20 the subject will be the Theory and Practice of Connoisseurship. The Morelian method will be examined and appraised, the value of documentary evidence discussed, and the different conditions affecting the study of different schools considered. Students will have access to a large collection of photographs and several private collections of paintings.

Journal Club in Modern Art, Miss King and Miss Fernald.

Two hours once a fortnight throughout the year.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Olive C. Hazlett, Associate in Mathematics, and Dr. Anna Johnson Pell, Associate Professor (elect) in Mathematics.

The instruction offered in mathematics covers twenty and a half hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work, one hour a week of free elective work, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

The two hours course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective or may be counted as a part of the year of mathematics which may be taken as an alternative for the second year of required science. It is required for

Preparatory Course.

admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Analytical Conics, Dr. Scott.

Three hours a week.

Trigonometry, including Series, Dr. Scott.

Two hours a week.

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

2nd Semester.

Elementary Differential and Integral Calculus, Dr. Pell. Three hours a week.

Algebra and Theory of Equations, Dr. Pell.

Two hours a week.

The three hour and two hour courses in this semester may not be elected separately. These courses were given by Dr. Hazlett in 1917-18.

SECOND YEAR.

1st Semester.

(Given in each year.)

Differential and Integral Calculus and Differential Equations, Dr. Pell.

Three hours a week.

Theory of Equations, Determinants, Dr. Pell.

Two hours a week.

2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott. Three hours a week.

Analytical Geometry of two and three Dimensions, Dr. Scott.

Two hours a week.

The three hour and two hour courses in each semester may not be elected separately. The courses in the first semester were given by Dr. Hazlett in 1917-18.

Group: Mathematics with Greek, or with Latin, or with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Physics, or with Chemistry, or with Geology, or with Biology.

FREE ELECTIVE COURSES.

Graphic Mathematics, Dr. Scott.

One hour a week throughout the year.

(Offered in 1917-18 and again in 1919-20.)

The course deals with statistical work, standard graphs and interpolation. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

One hour a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Mathematics Preparatory to Science. *Two hours a week throughout the year.*

(Given in each year when the time of the department permits.)

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Descriptive Astronomy, Dr. Hazlett. *Two hours a week throughout the year.*

(Not given after 1917-18.)

The subject is treated from an elementary point of view. Such mathematics as seems desirable is developed in the lectures. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following, with occasional modifications.

I. (a.) Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or I. (b.) Lectures on Modern Pure Geometry.

or I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take the course I (c) before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or II. (c.) Lectures on Differential Equations, ordinary and partial.

**Post-
Major
Courses.**

or II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or II. (e.) Elementary Theory of Numbers.

In 1917-18 the following post-major courses are offered:

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|-----------------------|--|
| I. (b.) Dr. Scott. | <i>Two hours a week throughout the year.</i> |
| II. (c.) Dr. Hazlett. | <i>Two hours a week throughout the year.</i> |

In 1918-19 the following post-major courses are offered:

- | | |
|--|--|
| I. (c.) Dr. Scott. | <i>Two hours a week throughout the year.</i> |
| II. (d.) Dr. Pell. | <i>Two hours a week throughout the year.</i> |
| III. Finite Differences and Theory of Probability, Dr. Pell. | <i>One hour a week throughout the year.</i> |

GRADUATE COURSES.

Graduate Courses.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The subjects vary from year to year so that the seminaries may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Mathematical Seminary, Dr. Scott.	<i>Two hours a week throughout the year.</i>
<i>(Given in each year.)</i>	

Higher Plane Curves is the subject of the seminary in 1917-18. During the first semester the seminary deals with general processes of analytical geometry as applied to plane algebraic curves. The second semester is devoted principally to the properties of cubic and quartic curves.

In 1918-19 Geometry on a Curve and linear systems of curves will be discussed. The intention is to follow the Italian treatment of the subject rather than the German; but the work will be arranged so that the most important part of the Clebsch-Lindemann exposition may profitably be read in connection with the seminary.

In 1919-20 Theory of Surfaces and Space Curves will be studied. The subject will be treated from the projective (analytical) point of view without any consideration of the development of differential geometry.

Mathematical Seminary, Dr. Pell.	<i>Two hours a week throughout the year.</i>
<i>(Given in each year.)</i>	

In 1917-18 Theory of Numbers is the subject of the seminary offered by Dr. Hazlett. A short account of rational integers is given; afterwards the subject of integers in a general algebraic realm is taken up, special attention being given to quadratic realms.

In 1918-19 Theory of Integral Equations will be studied.

In 1919-20 Theory of Functions will be treated. The order of these subjects may be changed in accordance with the needs of the students.

Mathematical Journal Club, Dr. Scott and Dr. Pell.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff,* Dr. David Hilt Tennent, Dr. James Barnes, Dr. Roger Frederick Brunel, Dr. James Llewellyn Crenshaw,† Dr. Florence Peebles, Dr. Frank James Wright, Dr. Gerard Van Rossen, Dr. Annabella Elliott Richards, Miss Edith Hamilton Lanman, Miss Sue Avis Blake, and Dr. Anna Sophie Rogers and Mr. Malcolm Havens Bissell (elect).

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,‡ and it is easy for a student to elect

* Granted leave of absence for the year 1918-19.

† Granted leave of absence for 1917-19 on war service.

‡ REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.

"As candidates for the degree of Doctor of Medicine the school receives:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University. (Group V.)

a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology and chemistry for two years.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff,* Professor of Physics, Dr. James Barnes, Professor of Physics, and Miss Sue Avis Blake, Demonstrator in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one or two hours a week of

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry, and physics as may be obtained by a year's course in these subjects when accompanied by laboratory work.†

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† BIOLOGY.—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

CHEMISTRY.—The minimum requirement is a one year course, including five hours of laboratory work a week throughout the year, covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry." Students will be required to present evidence that in addition to these requirements they have had an elementary course in organic chemistry, including at least 25 to 30 lectures and 90 to 100 hours of laboratory work.

PHYSICS.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

LATIN.—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

Similar requirements are made for admission to the Medical College of Cornell University.

The Woman's Medical College of Pennsylvania admits students of Bryn Mawr College who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Woman's Medical College presented to Bryn Mawr College in 1910 a scholarship giving free tuition and renewable for the four years of the college course to be awarded to a graduate of the college.

* Granted leave of absence for the year 1918-19. The courses announced by Professor Huff will be given by an instructor whose appointment will be announced later.

free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.*

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Reed and Guthe's *College Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture

* See footnote, page 138.

**Major
Course.**

room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Theoretical Mechanics, Theory of Light, Dr. Barnes. *Three hours a week.*

Laboratory Work, Dr. Barnes and Miss Blake. *Six hours a week.*

2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.*
Three hours a week.

Laboratory Work, Dr. Huff* and Miss Blake. *Six hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, or with Mathematics, or with Chemistry, or with Geology, or with Biology.

FREE ELECTIVE COURSES.

*Free
Elective
Courses.*

Physical Basis of Music, Dr. Huff.* *One hour a week throughout the year.*

(Given in 1918-19 and again in 1920-21.)

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

Historical Development of Physics, Dr. Huff.
One hour a week throughout the year.

(Given in 1919-20.)

* See footnote, page 138.

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

*Post-
Major
Courses.*

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

(Given in 1917-18.)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*

(Given in 1919-20.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff. *Three hours a week during the second semester.*

(Given in 1919-20.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Spectroscopy, Dr. Barnes. *Three hours a week during the first semester.*

(Given in 1918-19.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics, Dr. Barnes.

*Three hours a week during the second semester.**(Given in 1918-19.)*

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

General Optics, Dr. Barnes.

*Three hours a week throughout the year.**(Given in 1920-21.)*

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

GRADUATE COURSES.

Graduate Courses.

The graduate seminars consist of lectures, laboratory work, and original research under the direction of the instructors, the subjects varying from year to year so that the seminars may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Physical Seminary, Dr. Huff.*

*Three hours a week throughout the year.**(Given in alternate years.)*

In 1918-19 Radio-activity and Discharge of Electricity through gases is the subject of the seminary in the first semester and Electron Theory in the second semester. The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given. In the Electron Theory the mathematical development of the subject is first dealt with and this is followed by experimental tests of theory.

In 1920-21 Mathematical Theory of Electricity and Magnetism is the subject discussed. The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Physical Seminary, Dr. Barnes.

*Three hours a week throughout the year.**(Given in alternate years.)*

In 1917-18 Thermo-dynamics and Radiation are the subjects of the seminary. The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

In 1919-20 the seminary deals with a general mathematical discussion of physical optics.

*See footnote, page 138.

Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the seminary.

Physical Journal Club, Dr. Huff and Dr. Barnes.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederick Brunel, Professor of Chemistry, Dr. James Llewellyn Crenshaw,* Associate in Physical Chemistry, Dr. Gerard Van Rossen, Lecturer in Physical Chemistry, and Miss Edith Hamilton Lanman, Demonstrator and Instructor (elect) in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in inorganic chemistry, and qualitative analysis.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

* Granted leave of absence for 1917-19 for military service.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Introduction to General Chemistry, Dr. Brunel.

Three hours a week.

Laboratory Work, Dr. Brunel.

Six hours a week.

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. After all the experiments on a given subject have been carried out the results are discussed in the class-room.

2nd Semester.

The Chemistry of the Metals, Miss Lanman.

Three hours a week.

Laboratory Work, Miss Lanman.

Six hours a week.

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading. This course was given by Dr. Van Rossen in 1917-18.

The laboratory work consists of qualitative analyses. The students are first taught to identify the basic and acidic constituents in solutions; later they are required to carry out analyses of alloys and minerals.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on Elementary Physical Chemistry, Miss Lanman.

Three hours a week.

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria. Private reading and outside preparation amounting to at least three and a half hours a week is required. This course was given by Dr. Van Rossen in 1917-18.

Laboratory Work, Miss Lanman.

Six hours a week.

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2nd Semester.

Organic Chemistry, Dr. Brunel.

Three hours a week.

The methods of preparation and the behaviour of the various classes of organic compounds are studied. Particular emphasis is laid on the relation between the arrangement of atoms within the molecule and the behaviour of the compounds, and on the processes of reasoning by which the constitution of organic compounds is established.

Laboratory Work, Dr. Brunel.

Seven hours a week.

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

Group: Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Post-Major Courses.

Organic Chemistry, Dr. Brunel.

Two hours a week throughout the year.

(Given in each year.)

The course consists of lectures, assigned reading with occasional reports, and laboratory work. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Physical Chemistry, Miss Lanman.

Two hours a week throughout the year.

(Given in each year.)

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required. This course was given by Dr. Van Rossen in 1917-18.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry, Dr. Crenshaw.*

One hour a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

Graduate Courses.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw, but students who elect

* See footnote, page 143.

organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Chemical Seminary, Organic Chemistry, Dr. Brunel.

One hour a week throughout the year.

(Given in each year.)

This is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Chemical Seminary, Inorganic Chemistry, Dr. Crenshaw.*

One hour a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

The work of the seminary consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Physical Chemistry, Dr. Crenshaw.*

Two hours a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work will consist of physico-chemical research.

Advanced Organic Chemistry, Dr. Brunel. *One hour a week throughout the year.*

(Given in each year.)

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest. In the year 1918-19 a considerable part of the time will be spent in discussion of theories of valence and the mechanism of chemical reactions.

Students counting this course as the equivalent of a seminary will be required to do enough laboratory work, to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Chemical Journal Club, Dr. Brunel, Dr. Crenshaw,* Dr. Van Rossen, and Miss Lanman.

One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Dr. Frank James Wright, Associate in Geology, and Mr. Malcolm Havens Bissell, Instructor (elect) in Geology.

The instruction offered in geology covers twenty hours of

* See footnote, page 143.

lectures a week; it includes the equivalent of ten hours a week of undergraduate major and minor work, two free elective courses of one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week but all these courses will not be given in the same year.

The purpose of the major course in geology is to make clear to the student the present constitution, form, and evolution of the earth's crust, and to give some insight into the nature of geological problems. The first year of the major course is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The second year of the major course deals with the rocks and minerals, and with their arrangement in the earth's crust.

Post-major courses in petrography or mineralogy, economic geology, stratigraphy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species in the genesis of ores and in the principles of stratigraphy and paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Major Course.

Physiography, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by these forces; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographic relief models, and maps.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighbourhood on Mondays from 2 to 4 p. m. during the autumn and spring. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2nd Semester.

Introduction to Historical Geology, Mr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Mr. Bissell.

Six hours a week.

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania, and to the Mesozoic and Cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work. This course was given in 1917-18 by Dr. F. J. Wright.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Megascopic Petrology, Mr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Mr. Bissell.

Six hours a week.

The lectures discuss the materials which constitute the earth's crust; the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory the students become familiar with methods for the rapid determination of the most common and most important rock forming and ore minerals; this is followed by a systematic study of the principal rock types.

Field excursions are made to mineral localities in the vicinity of the college.

2nd Semester.

Glaciology and Structural Geology, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

The lectures treat of the evidences, conditions, and causes of the glacial period; the development of man; the causes and effects of earth movements; the origin and age of the earth. The course is illustrated with models, photographs, and lantern slides.

In the laboratory topographic maps and models illustrating features due to glaciation and geologic folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Economics and Politics, *or* with Philosophy, *or* with Mathematics, *or* with Physics, *or* with Chemistry, *or* with Biology.

FREE ELECTIVE COURSES.

Cosmogony, Dr. Bascom.

One hour a week throughout the year.

(Given in 1918-19 and in 1920-21 if the time of the department permits.)

***Free
Elective
Courses.***

The work of the course is conducted by means of lectures, required reading, and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Economic Geology, Mr. Bissell.

Two hours a week throughout the year.

(Given in 1917-18 and again in 1918-19.)

This course will be devoted to a broad treatment of our mineral industry. The nature, mode of occurrence, distribution, and uses of the various mineral products will be considered. Among the non-metallic substances coal and building stones will receive chief attention; among the metals iron, copper, lead, zinc, gold and silver will be particularly stressed. This course was given in 1917-18 by Dr. Wright, one hour a week.

Map Interpretation, Mr. Bissell.

One hour a week throughout the year.

(Given in 1919-20 and again in 1920-21.)

A study of the topographic map and its interpretation. Maps illustrating constructional and destructional land forms are interpreted in class. Informal conferences, in which maps representing some special feature are fully discussed, and additional map studies make up the work of the course.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

***Post-
Major
Courses.***

Determinative Mineralogy, Dr. Bascom.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal forms and practice will be given in the use of the two-circle contact goniometer. The course will be given if elected by a sufficient number of students.

Petrography, Dr. Bascom.

Three hours a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated. Practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Economic Geology, Dr. F. J. Wright. *Two hours a week throughout the year.*

(Given in 1917-18 and again in 1919-20.)

In this course there will be given a much fuller presentation of the subject of economic geology than is possible in the free elective course. A greater number of subjects will be taken up and each one treated in greater detail. Strong emphasis is placed upon the origin and geological occurrence of the useful minerals.

Stratigraphy and Paleontology, Mr. Bissell.

Three hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

During the first semester a thorough study is made of the principles of sedimentation. The lectures are supplemented by readings and laboratory experiments. The principles underlying the development of land forms are discussed. Ancient physiographic conditions are restored as accurately as possible and the subsequent development of later stages is studied as a natural sequence of events.

The work of the second semester begins with a study of the modes of fossilization. The geological formations of North America are taken up in order and their distribution carefully noted. The student is required to learn the typical fossils of each formation and to be able to give the geological age of typical rock specimens. The evolution of organic forms through the different geological periods and the principles underlying their development, receive special consideration.

GRADUATE COURSES.

Graduate Courses.

The seminary in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate seminary in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate seminary in physiography is designed primarily for graduate students wishing to make physiography a major subject for the degree of Doctor of Philosophy. Further graduate seminars in petrology and physiography will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and physiography, under the direction of Mr. Bissell, but students who make inorganic geology the major subject of examination must take either physiographic geology, inorganic chemistry, or crystallography as the associated minor and students who elect physiographic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Seminary in Petrology and Crystallography, Dr. Bascom.*Three hours a week throughout the year.**(Given in each year.)*

This seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students. In crystallography direction is given in crystal measurement with the two-circle goniometer, in crystal projection, and crystal drawing. The seminary involves as much laboratory work as the time of the student permits.

Seminary in Physiography, Mr. Bissell.*Three hours a week throughout the year.**(Given in each year.)*

Regional physiography is the general field of this seminary. Either the western or eastern United States will ordinarily be the area covered. Problems may also be given in European physiography if desired. The work of the course includes lectures, formal reports, laboratory problems, and field excursions. Typical maps selected from the different provinces under consideration will be studied in the laboratory. The needs of the individual student will determine largely the area to be studied.

Geological Journal Club, Dr. Bascom and Mr. Bissell.*Two hours once a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Florence Peebles, Associate Professor of Physiology, Dr. Annabella Elliott Richards, Instructor in Physiological Chemistry, and Dr. Anna Sophie Rogers, Demonstrator in Biology.

The instruction offered in biology covers twenty-three hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate minor and major work; one hour a week of free elective work; six hours a week of post-major work, open to graduates and to undergraduates that have completed the major course in biology, and six hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the

elements of chemistry and physics is desirable for students entering any course in biology, and is necessary for advanced work in the subject.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Lectures on General Biology, Dr. Tennent.

Three hours a week.

Laboratory Work, Dr. Tennent and Dr. Rogers.

Six hours a week.

2nd Semester.

Lectures on General Biology, Dr. Tennent and Dr. Peebles.

Three hours a week.

Laboratory Work, Dr. Tennent, Dr. Peebles, and Dr. Rogers.

Six hours a week.

The first nine weeks of the semester are devoted to the morphology and physiology of vertebrates. The lectures on embryology of vertebrates follow, and are given three hours a week throughout the remainder of the semester.

It is the object of this course to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student studies a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

SECOND YEAR.

1st Semester.

(Given in each year.)

General Physiology, Dr. Peebles.

Three hours a week.

Laboratory Work, Dr. Peebles and Dr. Rogers.

Six hours a week.

The instruction in general physiology consists of a systematic course of lectures upon the properties of living matter supplemented by experiments in the laboratory, and frequent oral or written quizzes.

In the laboratory the student becomes acquainted with the reactions of simple protoplasm and methods of analysis of such reactions, and performs a number of fundamental physiological experiments using vertebrates and invertebrates as material. The aim of the laboratory work is to develop the power of accurate observation and description, having in view the solution of problems rather than merely checking preconceived notions.

To this end all experiments are carefully written up and handed in with the graphic record, if any, for criticism, after which they are returned for correction. Any serious errors are discussed personally with the student.

2nd Semester.

General Zoology, Dr. Tennent and Dr. Peebles.

Three hours a week.

Laboratory Work, Dr. Tennent, Dr. Peebles and Dr. Rogers.

Six hours a week.

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life, the first nine weeks being devoted to a consideration of the morphology of the invertebrates and the remainder of the semester to a study of selected topics in physiology. In 1917-18 the fundamentals of nutrition* are considered. Part of the course is devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.

FREE ELECTIVE COURSES.

Theoretical Biology, Dr. Tennent.

One hour a week throughout the year.

(Given in each year.)

***Free
Elective
Courses.***

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. Special attention is given to theories of evolution and heredity. A considerable amount of assigned reading is required.

Fundamentals of Nutrition, Dr. Peebles.

Two hours a week during the second semester.

(Given in 1917-18.)

The major course for the last five weeks of the semester with three hours of lectures and six hours of laboratory may be taken as a free elective counting as equivalent to two hours a week during the semester. The lectures and laboratory work are designed to qualify the students to give instruction and to do laboratory work connected with food values.

POST-MAJOR COURSES.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.

One hour a week during the first semester.

(Given in 1917-18 and again in 1919-20.)

***Post-
Major
Courses.***

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal,

* This part of the course may be taken separately as a free elective course, see below.

cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

Experimental Morphology, Dr. Tennent.

One hour a week during the second semester.

(Given in 1917-18 and again in 1919-20.)

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. This course is to be taken with four hours laboratory work as a two-hour course.

Embryology of Vertebrates, Dr. Tennent.

One hour a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Physiology of Microorganisms, Dr. Peebles.

Two hours a week throughout the year.

(Given in 1917-18 and again in 1919-20.)

During the first semester the time is devoted to the study of yeasts, molds and bacteria. In the second semester problems of growth, cell division, regeneration and reproduction in Protozoa are treated. A specific problem is given to each student.

Physiology of the Central Nervous System, Dr. Peebles.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

This course consists of lectures and reports on assigned reading and laboratory work. A specific problem is taken up and studied by physiological methods. The lectures deal with the functions of the nervous system from a comparative standpoint.

Physiological Chemistry, Dr. Richards. *Three hours a week throughout the year.*

(Given in 1917-18.)

This course consists of lectures, and laboratory work. At least six and a half hours a week of laboratory work are required. The laboratory work includes a study of certain proteins; fats and carbohydrates. A preliminary training in chemistry at least equivalent to that obtained in the minor course is desirable.

Laboratory Work, Dr. Tennent, Dr. Peebles and Dr. Richards.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

GRADUATE COURSES.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in physiology under the guidance of Dr. Peebles.

Seminary in Zoology, Dr. Tennent. *Three hours a week throughout the year*

In 1917-18 Cytology is the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1918-19 Embryology of Invertebrates will be the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

In 1919-20 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines;" of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

Seminary in Physiology, Dr. Peebles. *Three hours a week throughout the year.*

In 1917-18 the Development of Modern Physiology is studied. The work consists of reports by the students and discussion of recent advances in the subject.

In 1918-19 Animal Instincts and Tropisms will be the subject of the seminary.

In 1919-20 Internal secretions will be treated.

Seminary in Physiological Chemistry, Dr. Richards.

Three hours a week throughout the year.

(Given in 1917-18.)

Students taking this seminary are required to have a preparation in physiological chemistry at least equivalent to that given in the post-major course. Research work will be begun in the seminary.

Biological Journal Club, Dr. Tennent, Dr. Peebles and Dr. Richards.

One hour a week throughout the year.

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent, Dr. Peebles and Dr. Richards.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

**Graduate
Courses.**

Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, Committee Chairman, the Director of Athletics and Gymnastics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Resident Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs, and general health. The Physician in Chief of the College acts as consultant and is referred to in all unusual cases. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Resident Physician will be in her college office during the hours from eight to nine a. m. and from four to half past five of every day except Sunday and may be consulted by the students without charge.

Graduate students elected to fellowships or scholarships and also all other graduate students who are admitted to the college are medically examined and are required to comply with the health directions of the college physicians and register regular exercise. Holders of fellowships and scholarships who are found to be suffering from uncorrected eye trouble will be expected to follow the oculist's advice.

All students who are not on the medical supervision list of the attending physicians on account of illness are under the immediate care of the Director of Athletics and Gymnastics. She receives the reports of students on the medical supervision list, keeps careful records of the health of all students and endeavours by lectures, interviews, required exercise, and advice on general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to

attend. A more advanced course of eight lectures on social hygiene is given each year by a woman physician which seniors are required to attend.

The infirmary fee of \$10.00 paid by every resident student entitles her to be cared for in the infirmary for four days (not necessarily consecutive) during the year without paying extra fees for nurses or for attendance by the college physicians, and also to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of more than four days' duration and also in the case of all diseases of an infectious character the student must meet, or in case of two or more students with the same infectious disease must share, the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges should she be removed from the college by order of the Physician in Chief. During the four days specified above the attendance fees of the college physicians are paid by the college. All fees after this time must be paid by the student.

A special nurse for one student costs \$5.30 per day (nurse's fee \$4.00, board \$1.00, laundry .30) or \$34.10 per week (nurse's fee \$25.00 per week, board \$7.00, laundry \$2.10). In the case of infectious diseases the special nurse costs \$6.50 a day or \$44.10 per week (nurse's fee \$35 per week). The infirmary fee is \$3.00 per day. It is often possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing. When a student has not an infectious disease the infirmary fee of \$3.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students for absence before and after vacations on account of serious illness and from attendance on academic work during the time that they are in the infirmary or seriously ill at home.

Athletics and Gymnastics.

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Helen Reed Kirk, Assistant to the Director of Athletics and Gymnastics.

The gymnasium (see page 161) is open for the use of students from 7 A. M. to 10 P. M. daily. Five periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis and hockey; in the winter, water polo, swimming meet, fencing, and indoor track athletics; in the spring, basketball, track, and tennis. All students are required to take one lesson in swimming each week until able to satisfy the required test. No undergraduate student will be excused from the required exercise except by order of the Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student while exercising in the gymnasium must wear a gymnasium suit of the regulation pattern.

A fee of three dollars a year is charged to every resident undergraduate student and a fee of seventy-five cents a semester to each undergraduate non-resident student and to each resident graduate student for the upkeep of the athletic fields.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighbourhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily

morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. Bryn Mawr is connected with Philadelphia by frequent electric trains on the Pennsylvania Railroad and by an electric trolley running every twenty minutes. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The Donors' Library, the gift of the friends, graduates, and students of the college, was begun in April, 1903, and completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side is the Art and Archaeological Seminary, containing collections of photographs, vases, and coins. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Book Room, the Christian Association Library, two professors' offices, and four cloak

rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and thirty-one professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art and Archæology, French and Italian and Spanish, German, Semitic Languages, Philosophy and Education in the north wing; Mathematics, History, Economics, Carola Woerishoffer Department of Social Economy and Social Research, and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the two senior professors in each department adjoin the seminary rooms. There are also a general lecture-room accommodating forty-two students, and three interview rooms. On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. On the first floor of the north wing the department of Education has an experimental research laboratory. The basement of the north wing contains another experimental laboratory of the department of Education, two interview rooms, a room for the Monograph Committee of the Faculty, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M. till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is

reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

The new gymnasium, erected on the site of the first gymnasium as a gift of the Athletic Association, the *alumnæ* and thirteen neighbours of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. The roof, 50 feet wide by 90 feet long, is used for gymnastic drills and students' entertainments. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and an assistant.

On the grounds, separated from other buildings, is the 1905 Infirmary. It opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

Plans and descriptions of Taylor Hall, Donors' Library, Dalton Hall, the Gymnasium, the 1905 Infirmary and the six halls of residence, are published in Part 4 of the Bryn Mawr College Calendar and may be obtained from the Secretary and Registrar of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East. There is a club-room for non-resident students in Rockefeller Hall and also rooms where the students can have hairdressing and dressmaking done.

The Phebe Anna Thorne Open Air Model School of the department of Education is situated on the campus and has its own school building with out-of-door class rooms and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils and every room in the college has separate thermostatic control. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees day and night in all the bathrooms and stationary wash-stands and tea pantries.

Telephone pay stations by means of which the students may be reached at any time are maintained in the library, gymnasium, infirmary and in each of the halls of residence. The Western Union Telegraph and Cable Company delivers telegrams between the hours of 6 A. M. and 12 P. M. Near the college there are a United States money-order office, two banks and an office of the American Railroad Express.

The Libraries.

Libraries. The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of the libraries of Philadelphia, as well as the college library proper.

The college library has been collected within the past thirty-three years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about eighty-five thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 60 and 96.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, many thousand dollars have been presented to the library for expenditure in special departments. Over four hundred publications and reviews in the English, Greek, French, Italian, Spanish, German, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

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| <p>Abhandlungen der Königl. Bayerischen Akademie der Wissenschaften zu München.</p> <p>*Amherst Graduates' Quarterly.</p> <p>Annales Politiques et Littéraires.</p> <p>Athenæum.</p> <p>Atlantic Monthly.</p> <p>*Bibliothèque de la Faculté des Lettres de l'Université de Paris.</p> <p>Bookman.</p> <p>Bookman (English).</p> <p>Bookseller.</p> <p>*Bryn Mawr Alumnae Quarterly.</p> <p>Bulletin of Bibliography.</p> <p>*Bulletin of the New York Public Library.</p> <p>*Bulletin of the Pan-American Union.</p> <p>Century.</p> <p>*Columbia University Quarterly.</p> <p>Contemporary Review.</p> <p>Cumulative Book Index.</p> <p>Deutsche Rundschau.</p> <p>Dial.</p> <p>Drama.</p> <p>Edinburgh Review.</p> <p>English Review.</p> <p>Fortnightly Review.</p> <p>Forum.</p> <p>Göttingische Gelehrte Anzeigen.</p> <p>Harper's Monthly Magazine.</p> <p>Harvard Graduates' Magazine.</p> <p>L'Illustration.</p> <p>Independent.</p> <p>Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.</p> <p>*Johns Hopkins University, Circulars.</p> <p>Library Journal.</p> <p>Literary Digest.</p> <p>†Memorial de la Librairie Française.</p> <p>Mercure de France.</p> <p>Mind and Body.</p> | <p>*Monthly Bulletin of the Carnegie Library of Pittsburgh.</p> <p>Münchener allgemeine Zeitung.</p> <p>Nachrichten von der Königl. Gesellschaft der Wissenschaften, Göttingen.</p> <p>Nation.</p> <p>Nation (English).</p> <p>Neue Rundschau.</p> <p>New Country Life.</p> <p>New Republic.</p> <p>New Statesman.</p> <p>New York Times Index.</p> <p>Nineteenth Century.</p> <p>North American Review.</p> <p>Notes and Queries.</p> <p>Nuova Antologia.</p> <p>Outlook.</p> <p>*Pennsylvania Library Notes.</p> <p>Preussische Jahrbücher.</p> <p>Public Affairs Information Service, Bulletin.</p> <p>Publishers' Weekly.</p> <p>Punch.</p> <p>Quarterly Review.</p> <p>Reader's Guide to Periodical Literature.</p> <p>Review of Reviews.</p> <p>Revue Critique d'Histoire et de Littérature.</p> <p>Revue de Paris.</p> <p>Revue des Deux Mondes.</p> <p>Revue Politique et Littéraire; Revue <i>Bleue</i>.</p> <p>Saturday Review.</p> <p>Scientia.</p> <p>Scribner's Magazine.</p> <p>Sewanee Review.</p> <p>Sitzungsberichte der Königl. Bayerischen Akademie der Wissenschaften.</p> <p>Sitzungsberichte der Königl. Preussischen Akademie der Wissenschaften zu Berlin.</p> |
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* Presented by the Publishers.

† Suspended publication.

Spectator.
 Der Türmer.
 *Tipyn o' Bob.
 *University of California, Publications.
 *University of Colorado, Studies.
 *University of Missouri, Studies.

*University of Nebraska, Studies.
 *University of Nevada, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Die Woche.
 World's Work.

Newspapers.

*College News, Bryn Mawr.
 *Home News, Bryn Mawr.
 London Times.

New York Times.
 Philadelphia Public Ledger.

Art and Archæology.

American Journal of Archæology.
 Art and Archæology.
 Art in America.
 Boletín de la Sociedad Castellana a Excursiones.
 Boletín de la Sociedad Española a Excursiones.
 British School at Athens, Annual.
 Bulletin of the Metropolitan Museum of Art, New York.
 Burlington Magazine.
 Denkmäler der Malerei des Altertums.
 Ephemeris Archæologike.
 Gazette des Beaux Arts.
 Jahrbuch des Kaiserlich deutschen archæologischen Instituts.
 Jahreshefte des österreichischen archæologischen Instituts in Wien.

Journal of Hellenic Studies.
 Journal international d'archéologie numismatique.
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Revue Archéologique.
 Rivista d'arte.
 Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
 All Opinions of the U. S. Supreme Court.
 *American Association for International Conciliation, Publications.
 American City.
 American Economic Review.
 *American Economist.
 American Federationist.
 American Journal of International Law.
 American Municipalities.
 American Political Science Review.
 *The Americas.
 Annalist.
 Annals of the American Academy of Political and Social Science.
 Bibliographie der Sozialwissenschaften.
 *Blätter für zwischenstaatliche Organisation.
 *Bulletin of the University of Wisconsin, Economics and Political Science Series.

Canadian Municipal Journal.
 City Plan.
 City Record, Boston.
 Columbia Law Review.
 Columbia Studies in History, Economics and Public Law.
 *Congressional Record.
 *Cooperative Consumer.
 Economic Journal.
 Equity.
 Great Britain, Quarterly List of Official Publications.
 Handbuch der öffentlichen Rechte.
 Harvard Law Review.
 †International Socialist Review.
 Jahrbücher für Nationalökonomie und Statistik.
 Johns Hopkins University Studies in Historical and Political Science.
 Journal of Political Economy.

* Presented by the Publishers.

† Suspended publication.

Journal of the Royal Statistical Society.
 Minnesota Municipalities.
 Municipal Journal.
 Modern City.
 Municipal Research.
 National Municipal Review.
 Political Science Quarterly.
 Proceedings of the Academy of Political Science.
 Publications of the American Economic Association.

Quarterly Journal of Economics.
 Revue Bibliographique.
 Searchlight on Congress.
 *Single Tax Review.
 Suffragist.
 *University of Pennsylvania Publications, Series in Political Economy and Public Law.
 Yale Review.
 Zeitschrift für Volkswirtschaft, Sozialpolitik u. Verwaltung.

Social Economy and Social Research.

*Advance.
 American Industries.
 American Journal of Sociology.
 American Labor Legislation Review.
 *Bakers' Journal.
 Bulletin of the International Labour Office.
 Bulletin of the National Association for the Study and Prevention of Tuberculosis.
 Bulletin of the National Society for the Promotion of Industrial Education.
 *Bulletin of the New York State Department of Labor.
 *Carpenter.
 Charity Organization Review.
 Child Labor Bulletin.
 *Coast Seaman's Journal.
 *Commercial Telegraphers' Journal.
 Economic World.
 *Elevator Constructor.
 Eugenics Review.
 *Garment Worker.
 *Glove Workers' Monthly Bulletin.
 Housing Betterment.
 Industrial Management.
 Industrial News Survey.
 *Institution Quarterly.
 *International Bookbinder.
 Iron Age.
 Journal of Criminal Law.
 Journal of Delinquency.
 Journal of Heredity.
 *Journal of the Cigar Makers' International Union.
 Journal of the Outdoor Life.

Labor Bulletin of the Massachusetts Bureau of Statistics.
 Labor Gazette.
 *(The) Lather.
 Life and Labor.
 *Miners' Magazine.
 Playground.
 Proceedings of the National Conference of Social Work.
 *Progressive Labor World.
 *Public Health, Michigan.
 Publications of the American Statistical Association.
 Social Hygiene.
 Social Hygiene Bulletin.
 Social Service Review.
 *Southern Workman.
 Survey.
 System.
 *Trade Union News.
 Transactions of the American Association for Study and Prevention of Infant Mortality.
 *Typographical Journal.
 *U. S. Bureau of Immigration, Publications.
 *U. S. Bureau of Labor Statistics, Bulletin.
 *U. S. Bureau of the Census, Publications.
 *U. S. Children's Bureau, Publications.
 *University of Illinois, Studies in Social Sciences.
 *University of Minnesota, Studies in Social Sciences.
 Vocational Guidance Bulletin.
 Women's Industrial News.
 Women's Trade Union Review.

Education.

†Berichte der Dalcroze Schule.
 Education.
 Educational Review.
 Educational Times.
 Elementary School Journal.

English Journal.
 History Teacher's Magazine.
 Journal of Experimental Pedagogy.
 *Journal of the Association of Collegiate Alumnae.

Lehrproben und Lehrgänge.
 Manual Training Magazine.
 National Education Association, Publications.
 Pädagogische Studien.
 Pedagogical Seminary.
 Revue Internationale de l'Enseignement Supérieur.
 Revue Universitaire.
 School and Society.

School Journal.
 School Review.
 School Science and Mathematics.
 Teachers' College Record.
 *U. S. Bureau of Education, Bulletin.
 *University of California Publications, Education.
 Zeitschrift für Pädagogische Psychologie.
 Zeitschrift für Schulgesundheitspflege.

History.

American Historical Association, Reports.
 American Historical Review.
 *Bulletin of the University of Wisconsin, History Series.
 English Historical Review.
 Historical Manuscripts Commission, Reports.
 Historische Vierteljahrsschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.
 Klio, Beiträge zur alten Geschichte.

New York Times Current History of the European War.
 Révolution Française.
 Revue des Études Napoléoniennes.
 †Revue des Questions Historiques.
 Revue Historique.
 Round Table.
 Royal Historical Society, Transactions.
 Selden Society, Publications.
 *University of Pennsylvania Publications, Series in History.

Philology and Literature, Classical.

†Bulletin Bibliographique et Pédagogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Commentationes Philologae Jenenses.
 Dissertationes Philologicae Halenses.
 Harvard Studies in Classical Philology.
 Hermes.
 Jahresbericht über die Fortschritte der Klassischen Altertumswissenschaft.
 Journal of Roman Studies.
 †Le Musée Belge, Revue de Philologie Classique.

Mnemosyne.
 Philologische Untersuchungen.
 Philologus.
 Quellen und Forschungen zur lateinischen Philologie.
 †Revue de Philologie.
 Revue des Études grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Sokrates.
 Studi Italiani di Filologia Classica.
 †Studi Storici per l'Antichità Classica.
 Wiener Studien, Zeitschrift für klassische Philologie.
 Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 †Eranos.
 Indogermanische Forschungen.
 Journal of English and Germanic Philology.
 Journal of Philology.
 Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.

Philological Society, London, Publications.
 Transactions of the American Philological Association.
 Zeitschrift für die österreichischen Gymnasien.
 †Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

- Acta Germanica.
 Anglia.
 Anglistische Forschungen.
 †Annales Romantiques.
 †Archiv für das Studium der neueren Sprachen.
 †Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
 Beiträge zur Geschichte der deutschen Sprache und Litteratur.
 Bibliographical Society of America, Publications.
 Bibliographical Society of London, Transactions.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin hispanique.
 Chaucer Society Publications (both series).
 Deutsche Literaturzeitung.
 Deutsche Texte des Mittelalters.
 Dialect Notes.
 Early English Text Society, Publications (both series).
 English Leaflet.
 Englische Studien.
 Euphorion.
 Forschungen zur Neueren Literaturgeschichte.
 German American Annals.
 Germanisch-romanische Monatsschrift.
 †Giornale Dantesco.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Henry Bradshaw Society, Publications.
 Jahrbuch der deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
 Kieler Studien zur englischen Philologie.
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
 †Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 The Library.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 †Le Maître phonétique.
 Malone Society, Publications.
 Materialien zur Kunde des älteren Englischen Dramas.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Palaestra.
 Poet-lore.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Kulturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue Celtique.
 Revue d'Histoire Littéraire de la France.
 †Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 University of North Carolina. Studies in Philology.
 Wiener Beiträge zur englischen Philologie.
 Yale Studies in English.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Litteratur.
 †Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

- American Journal of Semitic Languages and Literatures.
 Babyloniaca.
 Jewish Quarterly Review.
 Proceedings of the Society of Biblical Archaeology.
 †Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 †Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

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| <p>American Journal of Psychology.
 Année psychologique.
 Archiv für die gesammte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 Behavior Monographs.
 Berichte über den Kongress für experimentelle Psychologie.
 British Journal of Psychology.
 British Journal of Psychology: Monograph Supplements.
 †Bulletin de l'Institut Psychologique.
 Fortschritte der Psychologie.
 Hibbert Journal.
 International Journal of Ethics.
 †Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal Psychology.
 †Journal of Animal Behaviour.
 Journal of Educational Psychology.
 Journal of Experimental Psychology.
 Journal of Philosophy, Psychology and Scientific Methods.
 Journal of Religious Psychology.</p> | <p>Logos.
 Mind.
 Monist.
 Philosophical Review.
 Proceedings of the Aristotelian Society.
 Psychological Bulletin.
 Psychological Clinic.
 Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 Psychologische Arbeiten.
 Psychologische Studien.
 Revue de Métaphysique.
 †Revue de Psychothérapie.
 Revue philosophique.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrschrift für wissenschaftliche Philosophie u. Soziologie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.</p> |
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Religion.

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| <p>*Alaskan Churchman.
 American Friend.
 American Journal of Theology.
 Biblical World.
 Expositor.
 Expository Times.
 Harvard Theological Review.
 †Herald of Gospel Liberty.
 †Indian's Friend.
 †Intercollegian.
 Journal of Biblical Literature.</p> | <p>Journal of Theological Studies.
 Proceedings of the Society of Biblical Archaeology.
 *Publications of the American Jewish Historical Society.
 Religious Education.
 Revue biblique.
 *Spirit of Missions.
 *Student World.
 *Woman's Missionary Friend.
 *World Outlook.</p> |
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Science, General.

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| <p>American Journal of Science.
 Atti della Reale Accademia delle Scienze di Torino.
 British Association for the Advancement of Science, Reports.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 International Catalogue of Scientific Literature.</p> | <p>*Kansas University, Science Bulletin.
 Nature.
 *New York State Museum Bulletin.
 Philosophical Magazine.
 Philosophical Transactions of the Royal Society of London.
 Proceedings of the American Philosophical Society.
 Proceedings of the National Academy of Sciences.</p> |
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* Presented by the Publishers.

† Suspended publication.

‡ In Christian Association Library.

Proceedings of the Royal Society of
London.
Science.
Scientific American and Supplement.
Scientific Monthly.

*Technology Review.
*U. S. National Museum, Publications.
*University of Missouri Studies, Science
Series.

Science, Biology.

American Anthropological Association,
Memoirs.
American Anthropologist.
American Journal of Anatomy.
American Journal of Physiology.
American Naturalist.
Anatomischer Anzeiger.
Archiv für Anatomie und Physiologie.
Archiv für die gesammte Physiologie.
Archiv für Entwicklungsmechanik der
Organismen.
Archiv für mikroskopische Anatomie.
Bibliographia Physiologica.
Biological Bulletin.
Biologisches Centralblatt.
Biometrika.
Botanisches Centralblatt.
Centralblatt für Physiologie.
Eugenics Laboratory Memoirs.
Genetics.
*Illinois Biological Monographs.
Jahrbücher für wissenschaftliche Botanik.
Journal de Physiologie.
Journal of Biological Chemistry.
Journal of Experimental Medicine.
Journal of Experimental Zoology.

Journal of Genetics.
Journal of Morphology.
Journal of Physiology.
Journal of the Royal Microscopical
Society.
*Midland Naturalist.
Quarterly Journal of Microscopical
Science.
Stazione Zoologica di Napoli, Publica-
zioni.
U. S. Public Health Service, Publications.
*University of California Publications,
Physiology.
*University of California Publications,
Zoology.
*University of Pennsylvania, Contribu-
tions from the Botanical Laboratories.
*University of Pennsylvania, Contribu-
tions from the Zoological Laboratories.
*University of Toronto Studies, Biological
Series.
*University of Toronto Studies, Physio-
logical Series.
*Wilson Bulletin.
Zeitschrift für wissenschaftliche Zoologie.
Zoologischer Anzeiger.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
Economic Geology.
Geographical Journal.
Geological Magazine.
Geologisches Centralblatt.
*Georgia Geological Survey Bulletin.
*Illinois Geological Survey Bulletin.
Journal of Geography.
Journal of Geology.
Meteorologische Zeitschrift.
Mineralogical Magazine.
Mineralogische und petrographische Mit-
theilungen.

National Geographic Magazine.
Neues Jahrbuch für Mineralogie, Geologie
und Paläontologie.
Philadelphia Geographical Society Bulletin.
Quarterly Journal of the Geological
Society.
*Resources of Tennessee.
*U. S. Monthly Weather Review.
*University of Toronto Studies, Geological
Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
American Journal of Mathematics.
Annalen der Chemie.
Annalen der Physik.
Annales de Chimie.

Annales de Physique.
Annales scientifiques de l'Ecole Normale
Supérieure.
Annali di Matematica.
Astrophysical Journal.

Beiblätter zu den Annalen der Physik.	Journal für praktische Chemie.
Berichte der deutschen chemischen Gesellschaft.	Journal of the London Chemical Society.
Bibliotheca Mathematica.	Journal of Physical Chemistry.
Bollettino di Bibliografia e Storia delle Scienze Matematiche.	Kolloidzeitschrift.
Bulletin de la Société Chimique de France.	Mathematische Annalen.
Bulletin de la Société Mathématique.	Messenger of Mathematics.
Bulletin des Sciences Mathématiques.	Monatshefte für Chemie.
Bulletin of the American Mathematical Society.	Physical Review.
Cambridge Tracts in Mathematics.	Physikalische Zeitschrift.
Chemisches Zentralblatt.	Proceedings of the London Mathematical Society.
Giornale di Matematiche.	Quarterly Journal of Mathematics.
Jahrbuch über die Fortschritte der Mathematik.	Rendiconti del Circolo Matematico di Palermo.
Jahresbericht der deutschen Mathematiker Vereinigung.	Science Abstracts.
Journal de Chimie physique.	Transactions of the American Mathematical Society.
Journal de Mathématiques.	*U. S. Bureau of Standards Bulletin.
Journal de Physique.	Zeitschrift für anorganische Chemie.
Journal für die reine und angewandte Mathematik.	Zeitschrift für Elektrochemie.
	Zeitschrift für Mathematik und Physik.
	Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 275,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to five-thirty P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 214,078 volumes. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 81,000 volumes. The Council of the Academy has

generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 451,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains 534,152 volumes and 262,440 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains over 67,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 140,000 bound volumes, and 300,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

EXAMINATION FOR MATRICULATION.

Examination for Matriculation.

The examination for matriculation must be taken by everyone who wishes to study in the undergraduate department of Bryn Mawr College as a candidate for a degree or as a special student following selected courses.*†

The examination for matriculation may be taken also as a test of proficiency in elementary studies by candidates who have no intention of entering the college.

A matriculation certificate will be given to everyone who is successful in passing the examination.

* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examination of the college will be accepted, subject to certain conditions. For details see pages 188-189.

† When there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for, two exceptions may, in special circumstances, be made to the above rule, and two classes of students may be admitted to the college without passing the examination for matriculation:

(a) Students who present a certificate of honourable dismissal from an approved college. (See fifth paragraph of this note.)

(b) Women over twenty-five years of age who can furnish satisfactory proof that they have at some time studied the subjects required for admission to Bryn Mawr College may be admitted as "Hearers." (See page 56.)

In the admission of students, however, preference will in all cases be given to candidates who have taken the regular examination for matriculation.

Students who have attended other colleges or universities must present a complete certificate of honourable dismissal, together with an official statement that they have studied in regular college classes for one college year exclusive of the summer vacation and have received the grade of passed on examinations covering at least one year of academic work in one of the regular college courses leading to the bachelor's degree of liberal arts, and are in good standing in said college, and able to take their degree there in due course. In addition to this year of college work such students must present credits fully equivalent to the Bryn Mawr College examination for matriculation.

Students who have failed to satisfy the requirements at other colleges, who have incurred conditions, or otherwise failed to meet prescribed college standards of academic work or conduct, or who have been put on probation, suspended, or excluded will under no circumstances be admitted to Bryn Mawr College. Such students will not be permitted to cancel their college work elsewhere, take the Bryn Mawr College examination for matriculation, and enter Bryn Mawr as regular freshmen.

Candidates who wish to be admitted to Bryn Mawr College on presentation of a certificate of honourable dismissal from a college or university the graduates of which are eligible for membership in the Association of Collegiate Alumnae are not required to pass the Bryn Mawr College examination for matriculation provided they can present the required number of entrance credits. Students presenting certificates of honourable dismissal from all other colleges and universities must take the regular examination for matriculation given by Bryn Mawr College. Such students are not permitted to take the examination for matriculation without informing the Secretary and Registrar of the College, in advance, at the time that they file their application to be examined, that they have studied at another college. Unless this rule is observed they will not receive a matriculation certificate.

In June, 1918, graduates of the following colleges and universities were eligible for admission to the Association of Collegiate Alumnae: Barnard College; Bates College;

Matriculation certificates stating that candidates have passed the examination for matriculation and are qualified for admission to Bryn Mawr College will be issued to those candidates only who have been examined in *all* of the subjects required for matriculation and have shown by their examination that *all* of the subjects required for matriculation have been studied for a reasonable length of time. These subjects are counted as equivalent to twenty points. No certificate will be given unless the candidate has received the grade of "passed" in at least fifteen of the required twenty points.*† Matriculation certificates may be presented at any time for admission to the college. There is no time limit.

Matriculation Certificate.

Four competitive matriculation scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final matriculation certificates in the spring matriculation examinations of Bryn Mawr College. One scholarship is awarded in each of the following districts: (a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west

Matriculation Scholarships.

Beloit College; Boston University; Women's College in Brown University; Bryn Mawr College; University of California; Carleton College; University of Chicago; University of Cincinnati; Colorado College; University of Colorado; Cornell University; DePauw University; Drake University; Earlham College; Elmira College; Goucher College; Grinnell College; University of Illinois; Indiana University; The State University of Iowa; University of Kansas; Knox College; Lake Erie College; Lake Forest College; Lawrence College; Leland Stanford, Jr. University; Massachusetts Institute of Technology; University of Michigan; Mills College; Milwaukee-Downer College; University of Minnesota; University of Missouri; Mount Holyoke College; The University of Nebraska; University of North Dakota; Northwestern University; Oberlin College; Ohio State University; Ohio Wesleyan University; Pomona College; Purdue University; Radcliffe College; University of Rochester; Rockford College; Smith College; Swarthmore College; Syracuse University; University of Texas; Trinity College; Vassar College; Washington University (St. Louis); University of Washington (Seattle); Wellesley College; Wells College; Western Reserve University; University of Wisconsin.

* Matriculation certificates must contain a complete record of the marks received in all of the twenty points. Candidates who have cancelled the First Division, the Second Division, or the Preliminary Division of the examination for matriculation must be examined again in all of the points. It is not sufficient that the candidates at some previous time should have offered certain subjects, or points, in a division of the examination that has been cancelled. They must offer *all* cancelled points again irrespective of or whether or not they have received the grade of "passed" on these points in the cancelled division. Neglect to comply with this rule will prevent candidates from receiving matriculation certificates.

† Matriculation certificates will not be issued to candidates who have failed completely in any one of the twenty points offered for the final matriculation certificate when such failure is of a character to indicate that the subject has been presented as a mere form, unless they can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where the Bryn Mawr College examination for matriculation is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required. The candidate in each district whose grades are next highest to the winner of the scholarship for that district will receive Honourable Mention.

**Admission
Certificates.**

Candidates holding matriculation certificates who wish to study in Bryn Mawr College must make application for admission on prescribed forms obtained in advance from the office of the Secretary and Registrar of the College. Such candidates will receive from the Secretary and Registrar formal admission certificates.* Matriculation certificates qualify for admission

* Students who have been admitted to the college will be permitted to choose rooms in the halls of residence in order of application for rooms and are urged to make such application as early as possible. Application for rooms may be made at any time. It is not necessary to wait until the examination for matriculation has been taken.

Applications for rooms made by students studying at other colleges, or entering other colleges after applying for rooms at Bryn Mawr College, will not entitle them to an early choice of rooms. Such students will be admitted to the college only when there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for. Under no circumstances will students be admitted to Bryn Mawr College who have not made good at other colleges. (See foot-note, page 172, seventh paragraph.)

but do not in themselves entitle candidates to study in Bryn Mawr College.

In the admission of students preference will be given to candidates of the highest promise, due regard being paid to examination grades, including the number of points passed, and also to evidence as to character, health, and general ability.

The examination is held at Bryn Mawr College in the spring, autumn, and winter of every year and is also held in the spring of every year in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond, St. Louis, and London (England). A fee of five dollars for the whole or any part of the examination must be paid by each candidate taking the examination at the above mentioned regular examination centres.

The examination for matriculation may also be arranged by the College at other places in the spring, but not in the autumn or winter, in which case the usual fee of five dollars per person will be charged.

The examination for matriculation may be held in the spring at yet other places by special request for the benefit of certain schools or groups of candidates who are willing to meet the whole expense of the conduct of the examination by the College. The fee per candidate may be much more but will not be less than five dollars for the whole or any part of such examination.*

The complete time schedule of the matriculation examination is printed on pages 7 to 11 of the Calendar.

Application to take either the whole or any part of the examination for matriculation must be made in advance to the

*Time and
Place of
Examina-
tion for
Matricu-
lation.*

*Applica-
tion to take
Examina-
tion for
Matricu-
lation.*

* In the past ten years examinations have been held by request at the following places: Alabama: Gadsden; California: Bonita, Los Angeles, Piedmont, Redlands, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Washington, Waterbury; Georgia: Athens; Illinois: Springfield; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Council Bluffs, Davenport, Dubuque, Keokuk; Kentucky: Louisville; Maine: Portland; Maryland: Catonsville, Cumberland; Massachusetts: Fall River, Lowell; Michigan: Bay City, Detroit, Houghton; Minnesota: Faribault, Minneapolis; Missouri: Hannibal; Montana: Helena; Nebraska: Omaha; New Jersey: Lakewood, Princeton, Trenton; New York: Clinton, Cooperstown, Garden City, Glens Falls, Lake George, New Rochelle, Rochester, Rye, Saratoga Springs, Tarrytown; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Altoona, Bellefonte, Bradford, Greensburg, Harrisburg, Hazelton, Johnstown, Lancaster, Oxford, Scranton, Wilkes-Barre, York; Rhode Island: Providence; South Carolina: Charleston; South Dakota: Yankton; Tennessee: Memphis, Nashville; Texas: Dallas; Utah: Salt Lake City; Washington: Seattle; Wisconsin: Fond du Lac, Milwaukee; District of Columbia, Washington; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus.

Secretary and Registrar of Bryn Mawr College, in accordance with prescribed regulations which differ according to the way in which the examination for matriculation is to be taken, whether at one time or in one of the three divisions, (Preliminary Division, First Division or Second Division) into which it may be divided; and also according to the time and place of the examination. For this reason candidates and principals of preparatory schools are requested to read carefully the following regulations which, owing to the great number of candidates taking the examination for matriculation, are not subject to alteration in any respect.

A fee of five dollars is charged for the whole or any part of the examination. Candidates passing off conditions imposed in previous divisions of the examination for matriculation must also pay a fee of five dollars. The charge for examination in a single point is the same as for examination in twenty points.

*Application
for
Spring
Examination.*

Candidates who intend to take the spring examination at Bryn Mawr College are required to make application for this examination to the Secretary and Registrar on or before May 15th on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of five dollars. Candidates who apply for examination after May 15th will be charged an additional fee of five dollars, or ten dollars in all.

Candidates who intend to take the Bryn Mawr College examination for matriculation elsewhere than at Bryn Mawr are required to make application for this examination to the Secretary and Registrar of the College on or before April 15th and to follow the same procedure as in the case of candidates taking the spring examination at Bryn Mawr. With the exception of the earlier date of application the regulations are the same for candidates taking the examination elsewhere as for candidates taking the examination at Bryn Mawr.*†

* When the examination for matriculation is specially conducted by the College at the request of schools or groups of candidates the charge per candidate taking the examination may be considerably more than five dollars but in no case will it be less, see page 175, fifth paragraph.

† For regulations governing those candidates who substitute for the Bryn Mawr College Examination for Matriculation the examinations held by the College Entrance Board, see pages 188-189.

Candidates who intend to take the examination for matriculation at Bryn Mawr in the autumn or winter are required to make application for this examination to the Secretary and Registrar on or before September 15th, or January 1st, respectively, on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of five dollars. Candidates who apply for examination after September 15th and January 1st, respectively, will be charged an additional fee of five dollars, or ten dollars in all.

*Application
for
Autumn
and
Winter
Examina-
tions.*

Attention is called to the fact that the examination for matriculation is given in the autumn and winter at Bryn Mawr College only.

The Preliminary Division of the examination for matriculation may not be taken in the winter, but only in the spring and autumn.

Candidates who intend to take the Preliminary Division, or the First Division, or to pass off conditions imposed in a previous examination for matriculation, must follow the procedure outlined under the heading Application for Spring Examination, or Application for Autumn and Winter Examinations according to the time at which they wish to be examined. They must state in their application whether they intend to take the Preliminary Division or the First Division or to pass off conditions. Candidates wishing to take the Preliminary Division must send with their application a statement in writing made by their school principal, their private tutor, or by themselves that they are taking the Preliminary division two years before they expect to complete the examination for matriculation and receive a matriculation certificate.

*Application
to take
Preliminary
Division
or
First Division
or to
Pass Off
Conditions.*

Candidates who intend to complete the examination and thus become eligible to receive the Matriculation Certificate must follow the procedure outlined under the heading Application for Spring Examination or Application for Autumn and Winter Examinations according to the time at which they wish to be examined. They must state in their application whether they intend to take the whole examination for matriculation at one time, *i. e.*, the Combined First and Second Division, or the Second Division. They must in addition to the application

*Application
to take
Combined
First and
Second
Division
or
Second
Division of
Examination
for
Matricula-
tion.*

to take the examination for matriculation which is required of all candidates make a special application to receive the final Matriculation Certificate on prescribed forms obtained in advance from the Secretary and Registrar of the College. These forms must be filled in and returned to the office of the Secretary and Registrar before candidates intending to complete their examination for matriculation present themselves for examination. Until this rule is complied with candidates will not receive matriculation certificates.*

*Divisions
of
Examina-
tion for
Matricu-
lation.*

The examination for matriculation may be taken in three ways:—first, the whole examination, including all the twenty points, may be taken in one examination period, (this examination being known as the Combined First and Second Division); second, the examination may be divided between two examination periods and may be taken in two parts known as the First Division and the Second Division; and third, the examination under certain specified conditions which must be strictly observed may be divided among three examination periods and may be taken in three parts known as the Preliminary Division, the First Division, and the Second Division. Not more than one calendar year and a summer vacation may elapse between the First Division and the Second Division. Not more than two calendar years and a summer vacation and not less than two years may elapse between the Preliminary Division and Second Division. Unless these rules as to time are strictly observed the First Division, or the Preliminary Division, respectively, will be automatically cancelled.

*Preliminary
Division.*

The Preliminary Division of the examination for matriculation was opened to candidates for the first time in the spring of 1916. This examination is planned to meet the wish of the preparatory schools for an examination in which to test the progress made by their pupils two years before completing their preparation for the final examination for matriculation; and also to relieve them from the strain of crowding all their pre-

* For regulations governing those candidates who substitute for the Bryn Mawr College Examination for Matriculation the examination held by the College Entrance Examination Board, see pages 188–189.

paratory work into the last two years before the final examination. This Preliminary Division of the examination for matriculation is regarded as an experiment the working of which should be carefully observed by the faculty of the college. It may therefore be taken only in the Bryn Mawr College examination for matriculation. The examinations of the College Entrance Examination Board may not be substituted for this Preliminary Division.

In the Preliminary Division candidates may be examined only in the following subjects: Algebra* (2 Points); Plane Geometry* (2 Points); Latin Prose Authors (2 Points); English Grammar (1 Point. Old Requirements in force until 1922); Greek (3 Points); French (3 Points); German (3 Points); Ancient History (1 Point); English History, or by special permission, American History (1 Point); Science (1 Point. New Requirements—either Physiology and Hygiene, *or* Chemistry, *or* Physical Geography, *or* Botany.) The examinations in the above subjects are the regular matriculation examinations given for admission to Bryn Mawr College.†

There is no restriction as to the number of points that must be passed in the Preliminary Division. Any point, or points passed will be credited in the Preliminary Division Certificate.‡ This Preliminary Division may be counted as part of the First Division of the examination for matriculation. The points passed in the Preliminary Division and in the First Division, provided their total number amounts to four points, may be added together and credited in the First Division Certificate. Candidates, are not, however, *required* to count the Preliminary Division as any part of the examination for matriculation. Candidates who have received the Preliminary Division Certificate in the Bryn Mawr College Exam-

* Candidates may not be examined in *both* Algebra and Geometry in the Preliminary Division except under certain conditions, see foot-note page 187.

† For further description and details see page 187.

‡ Preliminary Certificates may be exchanged for First Division Certificates in the following special case:—Candidates who have already received the Preliminary Division Certificate and find that they are able to complete the examination for matriculation within one calendar year and the summer vacation, instead of in two years time as was their original intention, may exchange their Preliminary Certificates for First Division Certificates provided that at least four points have been passed; otherwise the Preliminary Division must be cancelled and the examination for matriculation taken in the usual way, i. e. in two divisions (First Division and Second Division).

ination for Matriculation may complete their examination either in the Bryn Mawr College examination or in the examinations of the College Entrance Examination Board and receive the First Division Certificate, the Second Division Certificate, and the final Matriculation Certificate from Bryn Mawr College. Candidates may not try the examinations of the Preliminary Division more than once except in the special case of candidates who wish to cancel the Preliminary Division which they have taken and repeat it in the spring or autumn (not winter) examination for matriculation of the following year with the intention (stated in writing) of completing the whole examination for matriculation two years later.

Candidates who are not preparing for college may take the Preliminary Division as a test of proficiency in elementary studies.

*First
Division.*

In the First Division of the examination for matriculation candidates may offer any subjects, or points, they please and as many points as they please provided, however, that they take care to offer a sufficient number of points (at least four) to secure a certificate. First Division Certificates will be given only to those candidates who have passed in at least four points. The examination of candidates failing to pass in four points will be cancelled and must be repeated. Candidates are, therefore, advised to offer as many more than four points as possible in order to allow for the possibility of failure in one or more points.

Candidates holding a First Division Certificate must take the Second Division of the Examination for Matriculation within one calendar year and a summer vacation from the time of taking the First Division of the examination for matriculation; otherwise the First Division will be cancelled.*

* First Division Certificates may be exchanged for Preliminary Certificates in the following special case: candidates who have intended to take the matriculation examination of Bryn Mawr in two divisions only (the First Division and the Second Division) and have already received the First Division Certificate but are unable, on account of illness or for some other reason satisfactory to the Entrance Examination Committee of Bryn Mawr College, to take the Second Division of the examination for matriculation within one calendar year and the summer vacation from the time of taking the First Division may by consent of the Committee be permitted to exchange their First Division Certificate for a Preliminary Certificate provided the First Division has been taken in the Bryn Mawr

In the Second Division of the examination for matriculation candidates must be examined in all the points in which they were not examined in the First Division and must receive the grade of "passed" in at least fifteen of the twenty points required for matriculation in order to receive a complete Matriculation Certificate. In calculating these points all the points credited in the First Division Certificate will be counted. Candidates who have failed in five points may receive a Matriculation Certificate, *they must, however, have been examined in all of these five points*, either in the First Division or in the Second Division, *i. e.*, the final Matriculation Certificate must contain the grade received by candidates on all the required twenty points.

*Second
Division.*

Not more than one calendar year and a summer vacation may elapse between the First Division and Second Division of the examination for matriculation; otherwise the First Division Certificate will be cancelled.

The whole examination for matriculation, *i. e.*, the Combined First and Second Division, including all the twenty points, may be taken in one examination period, but unless the circumstances are exceptional candidates are advised to avoid the strain of taking so many examinations at one time.

*Combined
First and
Second
Division.*

Candidates must be examined in all of the required twenty points and must receive the grade of "passed" in at least fifteen of the twenty points required for matriculation in order to receive a Matriculation Certificate.

Examinations for Advanced Standing.

Candidates who wish to enter the college with advanced standing may offer the following subjects in addition to the twenty points required for the Matriculation Certificate: the Minor Course in Latin, Section A and Section B, counting

*Examina-
tions for
Advanced
Standing.*

College examination and *not* in the examinations of the College Entrance Examination Board. Such candidates may accordingly take their examination for matriculation in three divisions like candidates who have planned in advance to take the Preliminary Division two years before completing their matriculation examination.

as three and two hours throughout one year;* matriculation Greek, French or German (provided this was not taken in the examination for matriculation), counting as five hours throughout one year; trigonometry,† counting as two hours throughout one semester; Solid Geometry† counting as two hours throughout one semester. All of these subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work.

Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

**Examina-
tion
to remove
Con-
ditions.**

Candidates holding Matriculation Certificates may remove conditions at any time before entering the college by passing the corresponding examinations in any of the regular periods at which the examination for matriculation is given. The usual fee of five dollars must be paid for examination in one or

* The minor course in Latin may be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, Selected Letters, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Terence, *Phormio*, *Adelphoe* and *Andria* or by special request registered three months before the examination, Livy, *Book xxi*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i, 25, 27, 33, 36; ii, 5; iii, 6, 15, 20; iv, 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Saeculare*; *Satires* i, 1, 5, 6, 9; ii, 6; *Epistles* i, 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

† For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 189.

more points. Candidates are advised whenever it is at all possible to remove their conditions before entering the college as the penalties imposed on freshmen for failing to pass off matriculation conditions are serious and the time that must be spent in the necessary reviewing interferes materially with their college work.*

Matriculation conditions also may seriously disarrange their college course. Students with matriculation conditions in Greek, Latin, English, French, German, or Mathematics are not permitted to attend college courses in these subjects until the conditions have been passed off. As these courses run throughout the year conditioned students are prevented from taking them in their freshman year. Conditions in history or in science do not exclude students from college classes in history or science.

Point System.

The number of points allotted to each subject in the examination for matriculation indicates approximately the time which pupils should devote to preparation in that subject during the last six years of their preparatory school course if a point is regarded as four or five recitation periods a week throughout one school year. If, for example, candidates take their matriculation examination under the New Requirements and study five subjects a year during the last six years of preparation for college, then Mathematics, Latin, and English should be studied four or five periods a week for four years each since each counts as four points in the examination; Ancient History and English History should each be studied for four or five periods a week for one year since each counts as one point; Physics and Elementary Science should be studied for two or if possible

*Explanation
of Point
System.*

*Students must pass off all matriculation conditions within the first semester after entering the college under penalty of exclusion from full college work during the second semester. Students who have not passed off all their matriculation conditions at the end of the second semester after entering the college will be required to withdraw from the college for one year (an exception being made in the case of students conditioned in one point only, such students being permitted to take an examination in this point in the following September, the penalty of failure to pass being in this case also withdrawal from the college for one year). Students must pay a fee of five dollars for each conditioned matriculation examination with the exception of conditions in punctuation for which one dollar is charged.

for three years since together they count as three points; and one of the three languages Greek or French, or German should be studied for three years since each counts as three points. The minimum time, therefore that should be spent in preparing for the matriculation examination under the new Requirements is nineteen school periods a week for six years leaving free for a daily study period and other non-college preparatory subjects eleven periods a week throughout these six years. The point system assumes that the school work in the last six years before entering the college rests on a foundation of solid work in the elementary school.

Matriculation Subjects.

*Subjects
Required
in the
Examina-
tion for
Matricu-
lation.*

The examination for matriculation in Bryn Mawr College is planned to furnish the best possible foundation for the work required of all candidates for the bachelor's degree in the college and at the same time to give the best possible mental discipline and liberal training both to candidates entering the college and to those who are unable to continue their studies beyond the preparatory school. Certain subjects, such as Latin, Mathematics, English, Physics, Ancient History, one additional ancient or modern foreign language are regarded as essential elements of a thorough school course. Certain other subjects are regarded as less essential to be taken before entering the college and between such subjects certain options are permitted. The New Matriculation Requirements (which came into effect for the first time as optional examinations in 1918 and which will become obligatory in and after the spring of 1923) throw more emphasis on history and science and less on language although an optional examination in a fourth language in addition to Latin and English and the third language required of all candidates may still be taken by the pupils of schools which are unable to prepare them in more than one science. Such candidates must, however, supplement their lack of preparation in history and science by electing courses in these subjects during their college course.* The New Requirements

* In this connection it should be noted that if a fourth language is offered in the examination for matriculation and kept up during the freshman and sophomore years it will greatly lighten the work of preparing for the language examination required of all students at the beginning of the junior year. See page 198.

also permit examinations in Italian and Spanish to be offered for matriculation under certain conditions. Attention is called to the fact that candidates who do not wish to study German may offer for the matriculation examination and also later in their college course Greek or French or Italian or Spanish.

Examination for Matriculation.

The examination* known as the Old Requirements will be accepted until the winter of 1923, but candidates may also offer the examination known as the New Requirements. The Old Requirements and the New Requirements may not, however, be combined. Candidates intending to complete their examination for matriculation in 1923 must take the New Requirements examination in the Preliminary Division and in the First Division of the examination for matriculation.

*Tabular
Statement
of
Subjects
Required
in
Examina-
tion for
Matricu-
lation.*

Examination for Matriculation, Old Requirements.

Tabular Statement.

I. Required of all candidates.

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry.....	2
Latin Grammar and Prose Composition.....	1
Latin Prose Authors.....	2
Latin Poets.....	1
English Grammar†.....	1
English Composition.....	3
Ancient History.....	1
Physics.....	1

II. Two of the three languages required of all candidates.

<i>Subjects.</i>	<i>Points.</i>
Greek Grammar and Prose Composition..... 1	} Two of these three languages..... 6
Greek Prose Authors..... 1	
Greek Poets..... 1	
French Grammar and Composition..... 1	} Two of these three languages..... 6
French, Translation..... 2	
German Grammar and Composition..... 1	} Two of these three languages..... 6
German Translation..... 2	

20

* Printed sets of matriculation papers may be obtained for fifty cents from the Secretary and Registrar of the College.

† The New English Examination, see definition, page 190, is optional in and after 1918 and obligatory in 1921.

Examination for Matriculation, New Requirements.

Obligatory for candidates in and after the spring of 1923. Before the spring of 1923, candidates may offer *either* this examination *or* the Old Requirements examination, but may not combine the two forms of examination. Candidates completing their examination for matriculation in 1923 must take these examinations in the Preliminary Division and in the First Division also.

*Tabular Statement.***I. Required of all candidates.**

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry.....	2
Latin Grammar and Prose Composition.....	1
Latin Prose Authors.....	2
Latin Poets.....	1
English Literature.....	2
English Composition.....	2
Ancient History.....	1
Physics.....	2

II. One of the following three languages required of all candidates.

<i>Subjects.</i>	<i>Points.</i>
Greek Grammar and Prose Composition..... 1	} One of these three languages..... 3
Greek Prose Authors..... 1	
Greek Poets..... 1	
French Grammar and Composition..... 1	
French Translation..... 2	
German Grammar and Composition..... 1	
German Translation..... 2	

III. One of the following two groups of two points required of all candidates.

GROUP ONE.*		
<i>Subjects.</i>		<i>Points.</i>
English History†.....	1	} 2
Science, (Physiology and Hygiene, or Chem- istry or Physical Geography, or Botany)..	1	
<i>or</i>		

* Candidates are advised to select Group One whenever possible. Candidates who select Group Two are required to make good their deficiency in history and science after they enter the college by electing as courses required for the bachelor's degree history, five hours a week for one semester and science (in addition to the year of required science and not counting as a second year of science), five hours a week for one semester; or history, five hours a week for one year provided history has not been selected as a group subject; or science, five hours a week for one year provided science has not been selected as a group subject.

† American History may be substituted for English History when the school preparing the candidate submits satisfactory proof that English History cannot be included in the school course and also when the school prefers to prepare in American History but can furnish a certificate that the candidate has had a good course in English History within four years before entering college.

GROUP TWO.*

<i>Subjects.</i>		<i>Points</i>
Greek Grammar and Composition.....	1	} One of these languages..... 2
Greek Translation.....	1	
French Grammar and Composition.....	1	
French Translation.....	1	
Italian Grammar and Composition.....	1	
Italian Translation.....	1	
Spanish Grammar and Composition.....	1	
Spanish Translation.....	1	
German Grammar and Composition.....	1	
German Translation.....	1	

The Preliminary Division.

Candidates who wish to take some of their examinations two years before entering the college may avail themselves of the Preliminary Division which may be taken only in the Bryn Mawr College Examinations either in the spring or autumn of any given year. The subjects that may be offered in this Division are as follows:

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry†.....	2
English Grammar (Old Requirements).....	1
Greek.....	3
French.....	3
German.....	3
Latin Prose Authors‡.....	2
Ancient History.....	1
English History, or by special permission American History (New Requirements)§....	1
Science, either Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany (New Requirements).....	1

For a full explanation of this examination see pages 177-180.

* Candidates offering Group two must not select for examination a language which they have offered, or intend to offer, for the three point examination in language required of all candidates. Candidates who select Group II and offer for examination the two point option in Greek, French, Italian, Spanish, or German must pass a supplementary examination after entering the college provided they wish to enter one of the regular minor courses in this language. All the minor courses in language are based on the amount of preparation required for a three point matriculation examination, except Latin and English which assume preparation equivalent to at least four points.

† If Algebra and Geometry are offered in this examination, the candidate must undertake to offer Solid Geometry or Trigonometry before entrance and at least one of the four papers Algebra, Plane Geometry, Solid Geometry and Trigonometry must be offered by the candidate in the first or second division of the examination.

‡ This subject is included in the hope that the schools will be able to readjust their work so as to offer it in this examination.

§ American History may be substituted for English History when the school preparing the candidate submits satisfactory proof that English History cannot be included in the school course and also when the school prefers to prepare in American History but can furnish a certificate that the candidate has had a good course in English History within four years before entering college.

Examination of the College Entrance Examination Board.

The Examinations of the College Entrance Examination Board which are designated below as equivalent to the matriculation examinations of the college will be accepted for admission to the college, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The Preliminary Division must be taken in the Bryn Mawr College examination but candidates may take either the First Division or the Second Division or both in the Bryn Mawr College examination or in the examinations of the College Entrance Examination Board.

Not more than one calendar year and a summer vacation may elapse between the First Division and Second Division of the examination for matriculation. There is no other restriction as to time; for example, candidates may present themselves for the First Division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the Second Division in the examination held by the College Entrance Examination Board in the third week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Board three weeks later.

In case a sufficient number of points to secure a Matriculation certificate is not passed in two divisions of the examination the points taken in one division must be cancelled, and all the points offered in the cancelled division (except those points which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the points in which the candidate has been conditioned to ensure her passing in the required number of points.

Candidates who have passed the fifteen points necessary to receive a Matriculation Certificate may remove conditions by passing the corresponding examinations in the Bryn Mawr College examination for matriculation or in the examination of the College Entrance Examination Board.

Candidates taking the College Entrance Examination Board's examinations will not be considered in the awarding of the four Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible for these scholarships when the finals are taken in the autumn examination.

TABLE OF EXAMINATIONS OF THE COLLEGE ENTRANCE EXAMINATION BOARD EQUIVALENT TO THE BRYN MAWR COLLEGE EXAMINATION FOR MATRICULATION.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
<i>Subjects.</i>		<i>Subjects.</i>	<i>Points.</i>
Mathematics: Algebra, A1, and A2, taken together.....	=	Algebra.....	2
Mathematics: C.....	=	Plane Geometry.....	2
Latin: 1 and 6, taken together.....	=	Latin Grammar and Prose Composition	1
Latin: P.....	=	Latin Prose Authors.....	2
Latin: Q.....	=	Latin Poetry.....	1
English: 1.....	=	English Grammar Old Requirements..	1
English: 2.....	=	English Composition Old Requirements	3
English: 1.....	=	English Literature New Requirements.	2
English: 2.....	=	English Composition New Requirements.....	2
History: A.....	=	Ancient History.....	1
Physics.....	=	Physics Old Requirements.....	1
Greek: F.....	=	Greek Grammar and Composition....	1
Greek: G.....	=	Greek Prose Authors.....	1
Greek: CH.....	=	Greek Poetry.....	1
French: A and B.....	}	French Grammar and Translation Old Requirements.....	3
French, Comprehensive*.....			
French, A and B.....	}	French New Requirements.....	3
German: A and B.....			
German, Comprehensive*.....	}	German Grammar and Translation Old Requirements.....	3
German, A and BC*.....			
History: C.....	=	German New Requirements.....	3
History: D.....	=	English History New Requirements...	1
Physics.....	=	American History New Requirements.	1
Physics, Comprehensive*.....	=	Physics New Requirements.....	2
Chemistry.....	=	Physics New Requirements.....	2
Chemistry Comprehensive*.....	=	Chemistry New Requirements.....	1
Botany.....	=	Chemistry New Requirements.....	1
Geography.....	=	Botany New Requirements.....	1
Biology.....	=	Physical Geography New Requirements	1
	=	Physiology and Hygiene New Requirements.....	1

Examinations for Advanced Standing.

Mathematics: D.....	=	Solid Geometry.
Mathematics: E.....	=	Trigonometry.
No Equivalent.....	=	Minor Latin.

* Since the comprehensive examinations are not graded students offering these will receive in case they pass only the passing mark 60 per cent.

**Definition and Description of Subjects of Examination
for Matriculation.**

Mathematics. *I. Mathematics.*—Algebra. (Counting as two points.) Plane Geometry. (Counting as two points.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text-books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations: C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham); Phillips and Fisher's *Elements of Geometry* (abridged edition); Wentworth's *Geometry*.

Latin. *II. Latin.*—Grammar and Composition. (Counting as one point.) Translation at sight of simple passages in Latin prose. (Counting as two points.) Translation at sight of simple passages of Latin poetry. (Counting as one point.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Gallie War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations*, *Letters*, and *De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Aeneid*, *Bucolics*, and *Georgics*), and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Gallie War*, I–IV, Cicero, *Manilian Law*, *Archias*, and four *Orations against Catiline*, and Vergil, *Aeneid*, I–VI. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

English. *III. English.*—*New type of Examination, optional until the winter of 1921 and obligatory in and after the spring of 1921,*

English Literature. (Counting as two points.) English Composition. (Counting as two points.) In consequence of changes recently made in the College course in English Composition and after consultation with a number of preparatory schools, the college has modified the matriculation examinations in English. This new type of examination will be optional until the winter of 1921 and will be obligatory in and after the spring of 1921. Papers illustrative of the new examination may be obtained from the Secretary and Registrar of the College.

The English examination will be in two parts, neither of which may be taken as a preliminary: Part I, Literature; Part II, Composition. As a basis for the examination a list of books is prescribed chosen from the list agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States. From the Bryn Mawr list such a selection should be made as will give the candidate a fair idea of the progress of English literature from the time of Shakespeare to the Nineteenth

Century. An intelligent reading, not a detailed knowledge of these books is expected, though it is hoped that the candidate will commit to memory some of the best passages of prose and poetry. For the better understanding of her reading she should be familiar with the important events in the lives of the authors that she studies and with the general character of the periods to which they belong. In Part I of the examination passages outside the prescribed reading will also be given to test the candidate's ability to read intelligently, and the definition of words and the explanation of well-known references and allusions will be asked for.

The candidate's ability to write English will be judged by the form and quality of her work in both parts of the examination and, in particular, by a composition of 350 words which will constitute Part II of the examination. In this composition the candidate will be asked to develop a theme through several paragraphs to its conclusion. Of three or four subjects assigned for the choice of the candidate, one will be on the reading prescribed for the examination and two or three will relate to matters of general knowledge or personal experience.

No separate paper on Grammar and Punctuation is set, but the candidate's knowledge of these subjects will be judged by her practice. Ability to punctuate her own sentences correctly is expected, and a knowledge of grammar and good usage—for example, of the different kinds of sentences and the relation of clauses within the sentence, of the sequence of tenses, and of the use of auxiliaries, prepositions, conjunctions and verbs.

In grammar and rhetoric no text-books are prescribed, but the following will suggest the preparation required: Robins and Perkins, *Introduction to the Study of Rhetoric* (Macmillan); *Manual of Composition and Rhetoric*, Gardiner, Kittredge, and Arnold (Ginn and Co.); Boynton, *Principles of Composition* (Ginn and Co.).

The Department of English will be glad to consider comments and suggestions from the schools relative to the examination. Such communications should be sent to the office of the Secretary and Registrar of the College.

Reading. The English examination will be based on the following books chosen from the list of books prepared by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States.

A. All selections in this group are to be read, due regard being paid to the alternatives offered among Shakespeare's plays. Shakespeare: 3 plays—1 comedy, 1 tragedy, and 1 history—are to be chosen from the following list. *A Midsummer Night's Dream, The Merchant of Venice, As You Like It; Julius Cæsar, Macbeth; Richard II, Henry V, Richard III.* Addison and Steele, *The Sir Roger de Coverley Papers*; Burke, *Speech on Conciliation with America*; *The Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats and Shelley; Coleridge, *The Ancient Mariner*.

B. Two selections are to be made from each of the following four groups: 1. *A Collection of English and Scottish Ballads*, as, for example, some Robin Hood ballads, *The Battle of Otterburn, King Estmere, Young Beichan, Bewick and Grahame, Sir Patrick Spens*, and a selection from later ballads. Milton, *L'Allegro, Il Penseroso*, and either *Lycidas* or *Comus*; *The Golden Treasury* (first series), Books II and III; Pope, *The Rape of the Lock*; Macaulay, *Lays of Ancient Rome, The Battle of Naseby, The Armada, Iruy*.

2. Scott, *The Lady of the Lake* or *Marmion*; Byron, *Childe Harold*, Canto III or IV, and

The Prisoner of Chillon; Browning, *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "De Gustibus," *Instans Tyrannus*; Tennyson, *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Arnold, *Sohrab and Rustum* and *The Forsaken Merman*.

3. Lamb, *Essays of Elia* (about 200 pages); Macaulay, *Life of Johnson* or *Essay on Milton*; Ruskin, *Sesame and Lilies*; Stevenson, *An Inland Voyage* or *Travels with a Donkey*; Huxley, *Autobiography* and *Selections from Lay Sermons* including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*.

4. Bunyan, *Pilgrim's Progress*, Part I; Swift, *Gulliver's Travels* (Lilliput and Brobdingnag); Defoe, *Robinson Crusoe*; Scott's Novels, any one; Jane Austen's Novels, any one; Dickens' Novels, any one; Thackeray's Novels, any one; George Eliot's Novels, any one; Stevenson, *Treasure Island*, *Kidnapped*, *Master of Ballantrae*; Hawthorne, *House of the Seven Gables*.

The old type of examination as follows may be offered instead of the new type up to and including the spring of 1921:

English Grammar, (Counting as one point). English Composition. (Counting as three points.) The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English Grammar may be taken in the Preliminary Examination and consists of the correction of passages of incorrect English. Questions will be asked to test the candidate's knowledge of the grammatical principles involved in the corrections, in especial concerning the details of sentence structure. The examination in English Composition consists of a critical composition of 350 words, and in addition, of one or two paragraphs in which the candidate is asked to give in a descriptive or narrative form the substance of important parts of the required reading.

Candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States: Shakespeare's *As You Like It*, *The Merchant of Venice*, *Julius Cæsar*, and *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Essay on Milton*; Tennyson's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*; Stevenson's *Inland Voyage* and *Travels with a Donkey*.

In preparing for this examination special attention should be given to the structure of the whole composition, and the analysis of model essays, for example Arnold's *Essay on Gray*, is recommended. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for paragraph structure, sentence structure, and punctuation.

History.

IV. History.—The outlines of Ancient History; (Counting as one point.)

In Ancient History the period covered will extend from the rise of Egypt and Babylon to the coronation of Charlemagne in 800 A. D. Most attention will be given to the history of Greece and Rome, less to the history of the oriental empires and to the time following

the Germanic invasions. Knowledge of the geographical setting of events will be tested by questions referring to an outline map furnished in the examination. It will be assumed that more instruction has been given in narrative than in constitutional history. The latter can best be taught by showing the character of developed constitutions rather than by requiring a knowledge of all steps through which constitutions came into being. Questions will be asked about the social life of the ancient world as well as about the general development of its thought and art. Standard texts, such as Goodspeed-Ferguson's *History of the Ancient World*, Webster's *Ancient History*, Botsford's *History of the Ancient World*, and West's *Ancient History* (revised) should serve as a suitable basis for instruction. Supplementary reading on selected topics and the writing of papers relating to this reading are desirable exercises. Teachers will find useful such interpretations as Zimmern's *Greek Commonwealth*, Ferguson's *Greek Imperialism*, Dickinson's *Greek View of Life*, Fowler's *Social Life at Rome in the Age of Cicero*, Frank's *Roman Imperialism*, and Dill's *Roman Society from Nero to Marcus Aurelius*.

V. Physics.—For candidates offering the matriculation examination (New Requirements) Physics will count as two points, and for those offering the matriculation examination (Old Requirements) a different examination paper will be set and the subject will count as one point.

Physics.

Physics should be studied in one or both of the last two years of preparation for college, the equivalent of at least one year being devoted to the subject with five periods weekly of at least forty minutes each for recitations and demonstrations. Two additional periods of laboratory work should be required and regarded as part of the outside preparation. A brief statement of the laboratory work of each candidate should be prepared by the teacher or tutor and submitted at the time of the examination. It should include an estimate of the quality as well as of the amount of work done by the candidate. A specimen examination paper, to be obtained from the Secretary and Registrar of the College, may be taken as fairly typical of the papers that will be sent.

No particular textbooks are prescribed, but among books that may be recommended are Black and Davis's *Practical Physics*, Millikan and Gale's *A First Course in Physics*, N. Henry Black's *A Laboratory Manual in Physics*. For supplementary reading *Physics of the Household*, by C. J. Lynde, will be found helpful.

VI. Two of the following languages:

Greek.—Grammar and Composition. Very simple prose composition with words and construction taken from Xenophon's *Anabasis*. (Counting as one point.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*. (Counting as one point.) Translation at sight of passages of average difficulty from Homer. (Counting as one point.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

Greek.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

French.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French. There will be a passage of English to be translated into French accompanied by questions on gram-

French

matical forms and constructions. Prose and Verse Translation. (Counting as two points.) This examination is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned. The passages for translation in and after the spring of 1919 will be slightly more difficult than those given under the old requirements. They will be accompanied by questions in grammar and syntax based on the text.

Teachers preparing students who wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

German.

German.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German. There will be a passage of English to be translated into German accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned. The passages for translation in and after the spring of 1919 will be slightly more difficult than those given under the old requirements. They will be accompanied by questions in grammar and syntax based on the text.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

NEW REQUIREMENTS EXAMINATIONS.

New Require- ments Examina- tions.

These examinations are optional until the winter of 1923. In and after the spring of 1923 they will be obligatory for all candidates taking the examination for matriculation. Candidates completing their examination for matriculation in 1923 are required to take the Preliminary Division and the First Division according to the New Requirements. Both in the Old Requirements and in the New Requirements all candidates must take Mathematics, Latin, English, Ancient History, and Physics. There is no change in these subjects or in the points they represent except that in the New Requirements Physics counts two points instead of one point as in the Old Requirements. Both in the Old Requirements and in the New Requirements all candidates must take an examination counting three points in Greek, or French, or German, known as the language three point examination, but the three point examination in the fourth language which was obligatory in the Old Requirements is done away with in the New Requirements and two examinations, each counting one point, in English History (or American History), and in one of the four sciences (Physiology and Hygiene, Chemistry, Physical Geography, or Botany) are substituted for it.

History.

History.—The outlines of the History of England; or the outlines of the History of the United States. (Counting as one point.)

Andrew's *History of England*, Cheyney's *A Short History of England*, and Maclaughlin's *History of the American Nation*, Adams and Trent's

History of the United States, or Andrews' *History of the United States*, will indicate the preparation required in the History of England and the United States.

Science.—The elements of one of the following sciences:—Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany. (Counting as one point.) Stiles's *Human Physiology* and *Nutritional Physiology* or Hough and Sedgwick's *Human Mechanism* supplemented by demonstration and laboratory work; Remsen's *Introduction to the Study of Chemistry* (Briefer Course) or Alexander Smith's *Text-book of Elementary Chemistry*; Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*; Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology* will serve to indicate the preparation required.

Science.

TWO POINT OPTION IN LANGUAGE.

For the above examinations in History and Science, counting one point each, candidates may substitute an examination counting two points in a fourth language (in addition to Latin and English and the third language required of all candidates) and may choose for this examination any one of the five languages, Greek, French, Italian, Spanish, or German which has not been offered, or will not be offered for the third examination in language.†

*Two Point
Option in
Language.*

Greek.—Grammar and Composition. Very simple prose composition forms and construction taken from Xenophon's *Anabasis*. (Counting as two points.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*. (Counting as one point.)

Greek.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

The examination will test the knowledge of Greek that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two point option in Greek in the examination for matriculation will not be permitted to enter the minor course in Greek given in the college without a supplementary examination.

French.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French. Prose and Verse Translation. (Counting as one point.) This examination is a test of the candidate's power to read at sight easy French prose and verse.

*Two Point
French.*

The examination will test the knowledge of French that can be acquired by a good pupil in four or five periods a week during two school years.

* In and after the spring examinations, 1919, these subjects will no longer be included in the matriculation examination, old requirements; all candidates will be required to offer Physics. Students offering the new matriculation examinations must offer in addition to Physics either Chemistry or Botany or Physical Geography or Physiology and Hygiene, unless they avail themselves of the option of a two-point foreign language.

† Only Greek or French or German may be offered for the three point language examination. Italian or Spanish may not be offered.

Attention is called to the fact that students who have offered a two point option in French in the examination for matriculation will not be permitted to enter the minor course in French given in the college without passing a supplementary examination.

*Two Point
Italian.*

Italian.—Grammar and Composition. (Counting as one point.) Translation at sight of simple passages in Italian prose and verse. (Counting as one point.)

The examination will test the knowledge of Italian that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two point option in Italian in the examination for matriculation will not be admitted to the major course in Italian given in the college without passing a supplementary examination.

*Two Point
Spanish.*

Spanish.—Grammar and Composition. (Counting as one point.) Translation at sight of simple passages in Spanish prose and verse. (Counting as one point.)

The examination will test the knowledge of Spanish that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered the two point option in Spanish in the examination for matriculation will not be permitted to enter the major course in Spanish given in the college without passing a supplementary examination.

*Two Point
German.*

German.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German. Prose and Verse Translation. (Counting as one point.) This examination is a test of the candidate's power to read at sight easy German prose and verse.

The examination will test the knowledge of German that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two point option in German in the examination for matriculation will not be permitted to enter the minor course in German given in the college without passing a supplementary examination.

Requirements for Degrees.

*Studies
Leading
to the
Degree of
Bachelor
of Arts.*

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of two of the five languages, Greek, French,

* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination (including Minor Latin and Matriculation Greek when taken in the examination for matriculation and advanced standing examinations in foreign languages) and also trigonometry, and solid geometry when offered for advanced standing must be counted. A grade once received may not be cancelled.

† Since this merit law went into effect in 1907 no student who has not fulfilled the requirements as above stated has received a degree.

Italian, Spanish or German* and must have passed the matriculation examination in Latin. She must have attended college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;† she must have fulfilled the requirements of the departments of health, athletics and gymnastics.

If, at the end of her junior year, or in February of her senior year, a student has received a grade *below* seventy per cent in as many as one-half the one hundred and twenty hours required for her degree that she has offered for examination, she will be required to withdraw from the college; and students who have not obtained merit in as many as one-half of the hours offered for examination, or have been conditioned in five or more hours, are liable to be asked to withdraw at the end of any semester and are to be regarded as on probation.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken of the 120 hours required for her degree will be permitted to hold office in any of the organizations of the college, or of the student body, to take part in any entertainment requiring preparation, to undertake any paid work or to compete for, or hold any college scholarship.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

*Required
Studies.*

Elementary Greek or Minor Latin, five hours a week for one year. Those students, however, who offered Greek in the examination for matriculation may substitute for the elementary course in Greek the minor course in Greek or the minor course in Latin.‡ These courses may not be taken later than the junior year.

English, five hours a week for two years.

Philosophy and Psychology, five hours a week for one year.

Science, five hours a week for one year.

Science, or History, or Economics and Politics, or Philosophy, or Psychology, or Mathematics, five hours a week for one year.

* If Greek is the language offered for entrance French or German must be offered for examination at the beginning of the junior year.

† Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

‡ A student choosing Greek as one of the subjects of her group, and not wishing to study Latin, may substitute for the year of Greek five hours a week for one year of post-major Greek, or a year of French, or Italian, or Spanish, or German.

A student choosing Latin as one of the subjects of her group and not wishing to study Greek may substitute for the year of minor Latin five hours a week for one year of post major Latin, or a year of French, or Italian, or Spanish, or German.

Two Major Courses, of five hours a week for two years each, constituting one of the following groups: any Language with any Language;* History with Economics and Politics, or with French, or Italian, or Spanish or German or History of Art; Economics and Politics with Philosophy, or with Psychology, or with Geology; Philosophy or Psychology, or Philosophy and Psychology† with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology or Geology; Psychology with Biology; Classical Archæology with Greek or Latin; History of Art with French, or Italian, or Spanish, or German; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

Free Elective Courses.

Free Elective Courses,‡ amounting to five hours a week for two years (10 hours in all), to be chosen by the student. It should be noted that any minor course may be taken as a free elective without electing the group that includes it, and any courses open as free electives may be chosen without taking the remainder of the minor course of which they may form a part.

Reading Knowledge of two Languages.

Reading Knowledge of Two Languages. At the beginning of each college year every undergraduate student is required to take a written examination of one hour in length in the language, Greek, or French, or German, that she has offered for matriculation. If she fails to pass this examination she is required to attend, and pay for, special classes in the language one or two hours a week throughout the year in question. If she fails to pass this examination at the beginning of her senior year she must take another examination on the Saturday preceding the final examinations of the year in question. Failure to pass will defer her degree until the following year.

At the beginning of the junior year every member of the junior class is required to take a written examination of one hour in length in one of the languages Greek, or French, or Italian, or Spanish, or German, but the language selected may not be the one offered for matriculation, and students who have offered Greek for matriculation must offer for their junior examination either French or German. If the student fails to pass this examination she is required to attend during her junior year the elementary course in the language in which she has failed, unless she has already taken this course. In this case she must attend a special class in the language two hours a week throughout the year and must pass an examination in it at the beginning of her senior year. The examination must be passed before the degree is conferred.

* For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

† For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.

‡ See, however, footnote to page 186 for conditions affecting the free electives of students offering the two point option in foreign language.

The studies required for a degree may for convenience be tabulated as follows:

Tabular Statement.

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.*
English. [Two Courses.]	Philosophy and Psychology.	Science: Physics, or Chemistry, or Geology, or Biology.	Science, or History,† or Economics and Politics, or Philosophy, or Psychology, or Mathematics.	Elementary Greek, or Minor Latin (or Minor Greek.)

Two Major Courses (Five hours a week for Two Years Each).

Constituting any one of the following sixty-nine groups:

I—XXV. Any Language with any Language‡ (Twenty-five Groups).	XXVI. Modern History with French.	XXVII. Modern History with Italian.	XXVIII. Modern History with Spanish.
XXIX. Modern History with German.	XXX. Modern History with Economics and Politics.	XXXI. Modern History with History of Art.	XXXII. Economics and Politics with Philosophy.
XXXIII. Economics and Politics with Geology.	XXXIV. Philosophy with Greek.	XXXV. Philosophy with Latin.	XXXVI. Philosophy with English.

* Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year. Students selecting Greek or Latin as one of their group subjects are referred to the footnote, page 197.

† A student electing modern history as one of her group subjects and offering history in place of the second year of science must offer five hours of post-major work in this subject.

‡ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

XXXVII. Philosophy with Psychology.	XXXVIII. Philosophy with Mathematics.	XXXIX. Philosophy with Physics.	XL. Philosophy with Geology.
XLI. Philosophy and Psychology with Economics and Politics.	XLII. Philosophy and Psychology with Greek.	XLIII. Philosophy and Psychology with English.	XLIV. Philosophy and Psychology with Mathematics.
XLV. Philosophy and Psychology with Physics.	XLVI. Psychology with Economics and Politics.	XLVII. Psychology with Greek.	XLVIII. Psychology with English.
XLIX. Psychology with Mathematics.	L. Psychology with Physics.	LI. Psychology with Biology.	LII. Classical Archæology with Greek.
LIII. Classical Archæology with Latin.	LIV. History of Art with French.	LV. History of Art with Italian.	LVI. History of Art with Spanish.
LVII. History of Art with German.	LVIII. Mathematics with Greek.	LIX. Mathematics with Latin.	LX. Mathematics with Physics.
LXI. Mathematics with Chemistry.	LXII. Mathematics with Geology.	LXIII. Mathematics with Biology.	LXIV—LXIX. Any Science with any Science (Six Groups).

*Free Elective Courses.**

Ten hours a week for one year in any subject, or subjects, the student may elect.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation Greek, and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Matriculation Greek or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*, French and Italian, or French and Spanish, or French and Italian and Spanish, or Italian and Spanish, or French and German. *As Free Electives*, Italian and Spanish, or Post-major French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and French, or English and Italian and Spanish, or English and Spanish, or English and German, or English and Philosophy. *As Free Electives*, Latin and French, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Physics, another Science, (or Post-major

* Students who have offered for the examination for matriculation the two point option in foreign languages permitted in the New Requirements are required to take five hours of free elective in history and science as follows: history, five hours a week for one semester and science (in addition to the year of required science and not counting as a second year of science), five hours a week for one semester; or history five hours a week for one year, provided history has not been selected as a group subject; or science five hours a week for one year, provided science has not been selected as a group subject.

Mathematics, or Modern or Ancient History, or Minor Psychology). *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, any Science, another Science, or Post-major History, or Economics and Politics, or Minor Philosophy, or Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Minor Psychology ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics). *As a Group*, English and Philosophy. *As Free Electives*, Psychology and English, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Psychology, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Post-major Modern History.

PHILOSOPHY OR PSYCHOLOGY (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History). *As a Group*, Philosophy or Psychology with Economics and Politics, or with Mathematics, or with Physics. *As Free Electives*, Post-major Economics, or Mathematics, or Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Biology, or Geology), another Science, (or Modern, or Ancient History, or

Minor Philosophy, or Mathematics). *As a Group*, Greek and Classical Archæology. *As Free Electives*, Elective, or Post-major Greek, or Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics, or Elective Mathematics). *As a Group*, Physics and Chemistry, or Physics and Geology, or Physics and Biology, or Chemistry and Geology, or Chemistry and Biology, or Geology and Biology. *As Free Electives*, Mathematics and Physics, or Chemistry, or Geology, or Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, or Minor Latin, or Experimental Psychology, (if not taken as a required study) ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group*, Economics and Politics and Philosophy, or Psychology. *As Free Electives*, Post-major Social Economy, or Education, or Philosophy, or Psychology.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, or economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any language with any language, or Chemistry and Biology. *As Free Electives*, Major History, five hours a week for one year, and Post-major History, or Oriental History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Major History, Major Economics and Politics, and for Oriental History, Post-major Economics and Politics, or Post-major Social Economy.

III. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Physics and Chemistry, or Geology, or Biology. *As a Group*, any language with any language. *As Free Electives*, Major and Post-major Physics, or Chemistry, or Geology, or Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Oriental History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work. Regular attendance at classes is required.

The studies leading to the degree of Bachelor of Arts may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and composition in their first and second years in the college because they are required to complete this work before entering the major course in English. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and Matriculation Greek, French, or German, or Minor Latin may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of French, Italian, or Spanish, or German by attendance on advanced school or college classes, or instructors or by residence abroad, or by study under governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the

*Studies
Leading
to a
Second
Degree.*

graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

*The Degree
of
Master of
Arts.*

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee before the third week in October. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

*The Degree
of
Doctor of
Philosophy
and
Master of
Arts.*

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time.*—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence.*—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

* It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;* in the independent minor she shall take for one year two seminars, or graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation*.—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita),

* A course will not be regarded as equivalent to a seminary unless it requires about one-third of the student's time.

of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Fees for Residence and Tuition.

Tuition for Under- graduate Students.

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.† For the year 1918-19 an emergency fee of \$100 a year payable in advance by every undergraduate student, resident or non-resident has been added to meet the increased cost of wages, coal, and the labour and materials for the necessary routine repairs to buildings. Undergraduate students holding scholarships given for financial need are exempt from this charge. The average cost of teaching each undergraduate student is over four hundred dollars a year irrespective of the above emergency fee of \$100. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional two hundred dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of three hundred dollars can be made on account of absence, illness, dismissal during the currency of a semester,

* Using the application blank issued by the Graduate Committee.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

term, or year, or for any other reason whatever and no refunding will be made on account of any said causes in case of a payment in advance.

Every student who enters the college must register immediately at the comptroller's office, and must register her courses in the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighbourhood. The expense of board and residence in the college halls for undergraduate students is three hundred and twenty-five dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred and twenty-five or four hundred dollars. Of this charge two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, and the Physicians of the College. See pages 156 to 158 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

*Residence
for
Under-
graduate
Students.*

* Rugs and towels must be furnished by the students themselves.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary and Registrar of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since reserving a room unnecessarily may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded only in the following cases. In all other cases the deposit will be forfeited to the college.

a. If an applicant who is a student of the college gives formal notice to the Secretary and Registrar of the College before the first of May preceding the academic year for which the application is made that she wishes to withdraw her application.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary and Registrar of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary and Registrar of the College before the first of December preceding the semester for which the application made that she wishes to withdraw her application.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room for the second semester will be responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary and Registrar before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal after September first of any given year for any cause whatsoever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

In case of prolonged illness and absence from the college extending over six weeks or withdrawal from the college for a period of six weeks or more, there will be a special proportionate reduction in the charge for board, provided that written notice be given to the Dean of the College and to the Comptroller at the time of withdrawal, or, in case the student is ill at home, as soon as possible after her illness is known. Verbal notice to wardens or instructors is not sufficient to secure the above allowance.

Rooms are assigned to members of the entering class who have already received their Matriculation Certificate and their Certificate of Admission to the College during the summer preceding the academic year for which application is made. Candidates who do not complete their examinations until the autumn and are admitted to the college will be assigned rooms then if any rooms are vacant. No particular room or set of

* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

rooms may be applied for. Candidates who are admitted are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Every student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at \$1.50 a day or \$10.50 a week. During the Christmas vacation the halls of residence are closed but accommodation is provided on or near the college campus. During the Easter vacation the halls of residence are in general kept open and undergraduate and graduate students may occupy their own rooms at the above rates.

Students remaining during any part of the Christmas or Easter vacations in Bryn Mawr, or the immediate neighbourhood, not in their own homes, are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation. Students not going to their own homes are required to inform the Secretary and Registrar in advance of their intention to spend the vacation elsewhere and to register their addresses in the college office.

*Summary
of
Expenses
for
Under-
graduate
Students.*

For undergraduate students the fees are as follows:

Tuition for the academic year, payable October 1st.....	\$200.00
Room-rent for the academic year, payable October 1st.....	\$100.00*
or \$175, \$200, \$225, \$250, \$275, \$300, \$325, \$350, \$400, depending on the room or rooms occupied.	
Infirmary fee for the academic year, payable October 1st	\$ 10.00
Board for the academic year, payable in equal instalments, October 1st and February 1st.....	\$225.00
Emergency fee for 1918-19.....	\$100.00
<hr/>	
Total for tuition, residence, and infirmary fee for the academic year with minimum room-rent.....	\$635.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year.....	\$ 10.00
For laboratory course of four or more hours a week for the academic year.....	\$ 20.00
Graduation fee.....	\$ 20.00

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first sem-

* In about one-sixth of the college rooms the rent is \$100, making the cost of board, residence, and tuition for undergraduate students \$635, but students desiring to apply for rooms at \$100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

ester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia, Miss Doris Earle, Chestnut Hill, Philadelphia and Miss Mary Christine Smith, 1108 Spruce Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

*Loan
Fund.*

SCHOLARSHIPS.—Four competitive entrance scholarships, of the value of \$100 each are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:—(a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceeding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

*Scholar-
ships.*

Eight scholarships for non-resident students of \$200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of \$200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of \$200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship of the value of \$200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of \$200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of \$400 each, for one year, are open to those graduates of Earlham, Penn., and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships, two in number, each of the value of \$250 for one year, were founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than forty-five hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than forty and not more than seventy-five hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the

nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, two members of the Faculty of the College, appointed annually by the Council, the President of the Alumnae Association of Bryn Mawr College and three other members of the Alumnae Association appointed by the executive committee of the Alumnae Association. Application for the scholarships should be addressed to the Recording Dean and Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Anna M. Powers Memorial Scholarship of the value of \$200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College.

A special Thomas H. Powers Memorial Scholarship of the value of \$200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Anna Hallowell Memorial Scholarship of the value of \$100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

The Frances Marion Simpson Scholarships, four in number, each of the value of \$200, were founded in 1912 by Mr. Alexander Simpson, Jr., in memory of Frances Simpson

Pfahler, of the class of 1906; one scholarship to be awarded in each October, to a candidate who receives her final certificate in the preceding spring matriculation examination. Competition for these scholarships is open in the first place to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania, so long as she shall be conducting the same; or in default thereof to residents of other counties in Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition or if living at a distance, the fees for tuition and board, in Bryn Mawr College are entitled to compete. In special cases the scholarship may be awarded to a candidate from some other locality, in which case the restriction to preparation in public schools may also be relaxed, or it may be awarded to some one who can pay part of the charge for her tuition, or for her tuition and board, but not the whole thereof.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Mary Anna Longstreth Memorial Scholarship of the value of \$200 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae, and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a student who needs financial aid to begin or continue her college course.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

The Chicago Bryn Mawr Club has presented annually since 1914 the sum of \$100 to be used as a scholarship for a student in financial need. This scholarship may be awarded, if necessity arise, for use during the second semester to enable the holder to remain in college.

The Pittsburgh Bryn Mawr Club founded in 1917 a competitive entrance scholarship of the value of \$200. The applicant for this scholarship must have received her last two years of preparation for college in Allegheny County, Pennsylvania, and the scholarship will be awarded to the candidate satisfying this requirement who has received the highest average grade in the examinations for matriculation. Application for this scholarship must be addressed to the Bryn Mawr Club of Pittsburgh before June 1st of the year in which the applicant desires to enter the college.

The Charles S. Hinchman Memorial Scholarship of the value of \$500 was founded in 1917 in memory of the late Charles S. Hinchman of Philadelphia by his family. The holder will be nominated to the Faculty by the Undergraduate Scholarships Committee of the Faculty which will be guided in its selection by (1) the student's record in her group subjects, (2) written recommendations from the instructors in these subjects, (3) evidence

of the student's ability as shown by written work in her group subject together with a written estimate of the same by the instructor most directly concerned, such work to be submitted not later than March 15th of the year preceding the one in which the scholarship is to be awarded.

The Elizabeth S. Shippen Scholarships were founded in 1917 by the bequest of the late Elizabeth S. Shippen of Philadelphia. Three Scholarships will be awarded each year, one to a member of the senior class and two to members of the junior class, as follows:

The Shippen Foreign Scholarship of the value of \$200 will be awarded each year to the member of the senior class who is elected to the Bryn Mawr European Fellowship.

The Shippen Scholarship in Science of the value of \$100 will be awarded annually to the member of the junior class, one or both of whose major subjects lie in one of the Scientific Departments, viz, Physics, Chemistry, Geology, Biology, who among those of her class so majoring shall have attained the highest average grade in courses taken in one of these departments.

The Shippen Scholarship in Foreign Languages of the value of \$100 will be awarded annually to the member of the junior class, one or both of whose major subjects lie in one of the Departments of Foreign Languages, viz, Greek, Latin, German, French, Italian, Spanish, who among those of her class so majoring shall have attained the highest average grade in courses taken in one of these departments.

The computation of the average grades will be based on the grades received during the Freshman, Sophomore, and the first semester of the Junior years. Grades on elementary courses shall not be included. No student shall be considered eligible for the Science or Foreign Language Scholarship who has not completed at least fifteen hours of work in the subject on which the computation is based. The winner of the Charles S. Hinchman Memorial Scholarship will not be eligible for the Shippen Scholarship in Science or in Foreign Language.

FOUNDATION OF SCHOLARSHIPS.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

FORM OF BEQUEST.

I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

Dated.....

* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

*Tuition
for
Graduate
Students.*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For the year 1918-19 an emergency fee of \$100 has been added to meet the increased cost of food, coal, and of the labour and materials for the necessary routine repairs to buildings. Holders of fellowships and graduate scholarships and graduate students taking less than eight hours of lectures are exempt from this charge. For other graduate students* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures forty dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comp-

* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated above are charged in addition to the charge for tuition.

troller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

The fee for the graduate laboratory courses in applied psychology and in educational psychology is \$5 a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of \$5 a semester and are also required to provide themselves with two 50 trip tickets between Bryn Mawr and Philadelphia costing \$15.30. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

*Laboratory
Fees.*

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance.* Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.†

*Residence
for
Graduate
Students.*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a

* For a statement of the conditions under which the fee for board may be reduced in case of prolonged illness and absence from the college, see page 190.

† Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College.

*Summary
of
Expenses
for
Graduate
Students.*

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:	
For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00
For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50
Room-rent for the academic year, payable on registration.....	\$ 50.00
Board for the semester payable on registration.....	\$112.50
Emergency fee for the year.....	\$100.00

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 50.00
Board.....	\$225.00
Infirmity fee.....	\$ 5.00
Emergency fee.....	\$100.00

Total for tuition, residence, and infirmity care for the academic year	\$505.00
Laboratory fees for the academic year.....	\$10 to \$38

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

*European
Travelling
Fellow-
ships.*

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the

* See footnote, page 218.

value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who shows such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

The Helen Schaeffer Huff Memorial Research Fellowship in Physics or Chemistry of the value of \$750, and eighteen resident fellowships, of the value of \$525 each, are awarded annually in Greek, Latin, English, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy,

*Resident
Fellow-
ships.*

Psychology, Education, Archæology, Mathematics, Physics, Chemistry, Geology and Biology, in Economics and Politics named the Justus C. Strawbridge Fellowship, and two in Social Economy and Social Research named the Carola Woerishoffer Memorial Fellowships. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

*Duties of
Resident
Fellows.*

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

A resident Intercollegiate Community Service Association and Bryn Mawr College joint fellowship* was established in 1915 and is offered by the Intercollegiate Community Service Association and by some alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$525, \$125 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy; she is also required to devote one-third of her time to a seminary which includes a practicum, carried on in the settlement. Applications may be sent either to Miss Florence Jackson, 264 Boylston Street, Boston, Mass., or to the President of Bryn Mawr College.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

*Resident
Graduate
Scholar-
ships.*

One resident scholarship in English composition of the value of seven hundred and fifty dollars is offered in 1918-19 and in each succeeding year and in 1919-20 and each alternate year thereafter a second scholarship in English composition of the same value will be offered. These scholarships are open to graduates of Bryn Mawr College or of any college of good standing under the same conditions as the twenty graduate scholarships mentioned above.

The Susan B. Anthony Memorial Scholarship in Social Economy and Social Research or in Politics, founded in 1910, of the value of four hundred and fifty dollars, is open to a candidate who wishes to devote herself to studies dealing with the position of women in industry and politics and who gives promise in her work of success in this field.

* The term fellowship is used here because adopted by the Intercollegiate Community Service Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of two hundred dollars is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Scholarships for British, French, Scandinavian, Swiss and Dutch Women.

Twelve graduate scholarships of the value of four hundred and five dollars each are offered, four for English, Scotch, or Irish women, three for French women, one for Swiss women and one for women from Scandinavia or the Netherlands and three to be given at large. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, room-rent, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

Duties of Resident Scholars.

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

Applications for Resident Fellowships and Scholarships.

Application for resident fellowships or scholarships should be made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the first* of April preceding the academic year for which

* Applications for the Scholarships open to British, French, Swiss, Dutch, and Scandinavian women must be received by April the first, they should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed to the Recording Dean of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A.

the fellowship or scholarship is desired. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

- BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1]
p., O. Baltimore, The Friedenwald Company. 1896.
- BLISS, ELEANORA F., AND JONAS, ANNA I. Relation of the Wissahickon
Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-
Schist of the Doe Run-Avondale District, Coatesville, Quadrangle,
Pennsylvania. 64 p., O. February, 1914.
- BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-
two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae.
p. 470-512, O. 9 pl. Baltimore. 1907.
Reprint from *Journal of Experimental Zoology*, vol. 4, No. 4.
- BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castil-
ian and Catalan Literature. 233 p., O. 5 pl. New York, Paris,
Mâcon, Protat Frères. 1905.
Reprint from *Revue Hispanique*, t. xii.
- BOWERMAN, HELEN COX. Roman Sacrificial Altars. An Archæological
Study of Monuments in Rome. 101 p., O. 11 pl. Lancaster, Pa.,
The New Era Printing Co. 1913.
- BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1]
p., O. Baltimore, The Friedenwald Company. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.
- BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and
Podocoryne and the Development of Hydractinia. 34 p., O. Boston,
Ginn and Company. 1894.
Revised reprint from *Journal of Morphology*, vol. 9, No. 2.
- BYRNES, ESTHER FUSSELL. The Maturation and Fertilization of the
Egg of *Limax Agrestis* (Linné). p. 201-236+[1], O. Boston,
Ginn and Company. The Athenæum Press. 1899.
Reprint from *Journal of Morphology*, vol. 16, No. 1.
- CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscrip-
tions. 93 p., O. Baltimore, The Friedenwald Company. The
Lord Baltimore Press. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.

- COULTER, CORNELIA CATLIN. *Retractatio in the Ambrosian and Palatine Recensions of Plautus. A Study of the Persa, Poenulus, Pseudolus, Stichus, and Trinummus.* 118 p., O. Bryn Mawr, Pennsylvania. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. x.
- CUMMINGS, LOUISE DUFFIELD. *On a Method of Comparison for Triple-Systems.* p. 311-327, Q.
Reprint from *Transactions of the American Mathematical Society*, vol. 15, No. 3. July, 1914.
- DARKOW, ANGELA CHARLOTTE. *The Spurious Speeches in the Lysianic Corpus.* 95 p., O. Bryn Mawr, Pennsylvania. 1917.
- DUCKETT, ELEANOR SHIPLEY. *Studies in Ennius.* 78 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xviii.
- DUDLEY, LOUISE. *The Egyptian Elements in the Legend of the Body and Soul.* 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.
- ELLIS, ELLEN DEBORAH. *Introduction to the History of Sugar as a Commodity.* 117 p., O. Philadelphia, The John C. Winston Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. iv.
- EMERY,* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.
- EVERS, HELEN MARGARET. *Critical Edition of the Discours de la Vie de Pierre de Ronsard, par Claude Binet.* iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ii.
- FAHNESTOCK, EDITH. *A Study of the Sources and Composition of the Old French Lai D'Haveloc.* 138 p., O. Jamaica, Queensborough, New York, The Marion Press. 1915.
- FOSTER, FRANCES ALLEN. *A Study of the Middle-English Poem Known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd., London and Bungay. 1914.
Reprint from *The Northern Passion*, vol. II. *Early English Text Society, Original Series*, 147, 1914 (for 1913).
- FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company. 1895.
- GENTRY, RUTH. *On the Forms of Plane Quartic Curves.* [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

* Mrs. Francis Greenleaf Allinson.

- GIBBONS, VERNETTE LOIS. The Potentials of Silver in Non-aqueous Solutions of Silver Nitrate. 32 p., O. Easton, Pa., Eschenbach Printing Co. 1914.
- GRAHAM, MINNIE ALMIRA. A Study of the Change from Violet to Green in Solutions of Chromium Sulphate. 50 p., O. pl. 3. Easton, Pennsylvania, Eschenbach Printing Company. 1912.
- HALL, EDITH HAYWARD.* The Decorative Art of Crete in the Bronze Age. 47 p., 3 pl., Q. Philadelphia, The John C. Winston Co. 1907.
Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania*, vol. 2, part 1. 1906.
- HANNA, MARY ALICE. The Trade of the Delaware District before the Revolution. p. 239-248, O.
Reprint from *Smith College Studies in History*, 1917.
- HARMON, ESTHER. Johanna Schopenhauer. 115 p., O. Munich, Kastner and Callwey. 1914.
- HARPER, CARRIE ANNA. The Sources of the British Chronicle History in Spenser's Faerie Queene. 190 p., O. Philadelphia, The John C. Winston Co. 1910.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vii.
- HASEMAN, MARY GERTRUDE. On Knots with a Census of the Amphicheirals with twelve crossings. Edinburgh, 1918.
Reprint from *Transactions of the Royal Society of Edinburgh*, Vol. LII, 1917.
- HUSSEY, MARY INDA. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.
Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.
- JONAS, ANNA I., AND BLISS, ELEANORA F. Relation of the Wissahickon Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-Schist of the Doe Run-Avondale District, Coatesville, Quadrangle. Pennsylvania. 64 p., O. February, 1914.
- KING, HELEN DEAN. The Maturation and Fertilization of the Egg of *Bufo Lentiginosus*. p. 293-350, O. Boston, Ginn and Company. The Athenæum Press. 1901.
Reprint from *Journal of Morphology*, vol. 17, No. 2.
- LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine p. 85-115, O.
Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.
- LEFTWICH,† FLORENCE. *La Vie Seint Edmund le Rei*. An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.
- LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial Experiments in the British Colonies of North America. 10+154 p., O.
Johns Hopkins University Studies, vol. 17. Baltimore, 1898.

* Mrs. Joseph M. Dohan.

† Mrs. Samuel Prioleau Raval.

- LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324-342, O.
Reprint from the *Astrophysical Journal*, vol. 23, No. 4. May, 1906.
- LYON,* DOROTHY WILBERFORCE. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192, O.
American Journal of Philology, vol. 19. 1898.
- MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O.
Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.
- MARTIN, EMILIE NORTON. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *American Journal of Mathematics*, vol. 23, No. 3.
- MEDES, GRACE. A Study of the Causes and Extent of Variations in the Larvæ of *Arbacia Punctulata*. p. 318-432, with 152 figs, O. Bryn Mawr, Pennsylvania. 1917.
Reprint from *Journal of Morphology*, vol. 30, No. 1. December, 1917.
- MINOR, JESSIE ELIZABETH. A Study of the Equilibrium in the Alcoholysis of Esters. 57 p., O. Easton, Pennsylvania. 1917.
- MORRIS, MARGARET SHOVE. Colonial Trade of Maryland. p. 1-157, O. Baltimore. Johns Hopkins Press. 1914.
- NEILSON, NELLIE. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.
- NICHOLS,† HELEN HAWLEY. The Composition of the Elihu Speeches, Job, Chaps. XXXII-XXXVII. 95 p., O. 1911.
Reprint from *American Journal of Semitic Languages and Literatures*, vol. 28, No. 2 January, 1911.
- OGDEN, ELLEN SETON. The Origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.
- PARKHURST, HELEN HUSS. Recent Logical Realism. 66 p., O. Bryn Mawr, Pennsylvania. 1917.
- PARRIS,† MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.

* Mrs. Emmons Bryant.

† Mrs. William Roy Smith.

‡ Mrs. Eugene Lyman Porter.

- PEEBLES, FLORENCE. Experiments in Regeneration and in Grafting of Hydrozoa. 53+[1] p., O. Leipzig, Wilhelm Engelmann. 1900.
- PEEBLES, ROSE JEFFRIES. The Legend of Longinus in Ecclesiastical Tradition and in English Literature and its Connection with the Grail. 221 p., O. Baltimore, printed by J. H. Furst Co. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ix.
- PERKINS,* ELIZABETH MARY. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C., printed by Judd and Detweiler. 1904.
- PERRY, LORINDA. The Millinery Trade in Boston and Philadelphia. A Study of Women in Industry. 122 p., O. Women's Educational and Industrial Union, Boston. Binghamton, N. Y. Vail-Ballou Press. 1916.
- RAGSDALE, VIRGINIA. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.
Reprint from *American Journal of Mathematics*, vol. 28, No. 4.
- RAND, GERTRUDE. The Factors that Influence the Sensitivity of the Retina to Color: A Quantitative Study and Methods of Standardizing. 166+xi p., O. Princeton, N. J. 1913.
Reprint from *The Psychological Monographs, Princeton, N. J.*
- REIMER, MARIE. The Addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- REYNOLDS, GRACE POTTER.† The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoxy Groups. 29 p., O. Easton, Pa., Eschenbach Printing Co. 1910.
- RITCHIE,‡ MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.
- ROE,§ ADAH BLANCHE. Anna Owena Hoyers, a Poetess of the Seventeenth Century. 128 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from the *Bryn Mawr College Monographs, Monograph Series*, vol. xix.
- SANDISON, HELEN ESTABROOK. The "Chanson d'Aventure" in Middle English. 152 p., O. Bryn Mawr, Pennsylvania, 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xii.

* Mrs. Eric Charles William Scheel Lyders.

‡ Died, 1905.

† Mrs. Winthrop Merton Rice.

§ Mrs. Herman Lommel.

- SCHAEFFER,* HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl., O. 1908.
Reprint from *Astrophysical Journal*, vol. 28, 1908.
- SCHENCK, EUNICE MORGAN. La part de Charles Nodier dans la formation des idées romantiques de Victor Hugo jusqu'à la *Preface de Cromwell*. 144 p., O. Bryn Mawr, Pennsylvania. 1914.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvi.
- SCHMIDT, GERTRUD CHARLOTTE. Das Deminutivum im Mittelniederdeutschen und Mittelniederländischen. 157+[ix] p., O. Borna-Leipzig, printed by Robert Noske. 1912.
- SHEARER, EDNA ASTON. Hume's Place in Ethics. 86 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvii.
- SPALDING, MARY CAROLINE. Middle English Charters of Christ. cxxiv+100 p., O. Bryn Mawr, Pennsylvania. 1914.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xv.
- STEVENS,† NETTIE MARIA. Further Studies on the Ciliate Infusoria, Licnophora, and Boveria. 45 p. 6 pl., O. 1903.
Reprint from *Archiv für Protistenkunde*, Bd. iii.
- STITES, SARA HENRY. Economics of the Iroquois. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 3.
- SWEET, MARGUERITE. The Third Class of Weak Verbs in Primitive Teutonic with Special Reference to its Development in Anglo-Saxon. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.
- SWINDLER, MARY HAMILTON. Cretan Elements in the Cult and Ritual of Apollo. 77 p., O. Bryn Mawr, Pennsylvania. 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xiii.
- TAYLOR, LILY ROSS. The Cults of Ostia. 100 p., O. Bryn Mawr, Pennsylvania. 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xi.
- TRAYER, HOPE. The Four Daughters of God. A Study of the Versions of this Allegory, with Especial Reference to Those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.
- URDAHL,‡ MARGERETHE. On Certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.

* Mrs. William Bashford Huff. Died, 1913.

† Died, 1912.

‡ Mrs. Lewis Albert Anderson.

- WARREN,* WINIFRED. A Study of Conjunctional Temporal Clauses in Thukydides. 76+[3] p., O. Berlin, printed by Unger Brothers. 1897.
- WHITE, FLORENCE DONNELL. Voltaire's Essay on Epic Poetry. A Study and an Edition. 167 p., O. Albany, N. Y., Brandow Printing Co. 1915.
- WILLCOX, MARGUERITE. The Reversible Replacement of Alcohols in Aldehydealcoholates. 22 p., O. Easton, Pa. Eschenbach Printing Co. 1916.
- WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press. 1905.
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* Mrs. George Arthur Wilson.

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
	GENERAL	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)
	MINOR	Greek, Plato (Sanders) French Literature Div. B (Schenck) Div. A (Beulin)	Greek, Homer (Wright) French Reading and Composition, Div. B (Schenck) Div. A (Beulin)
	MAJOR	Ancient Egypt (Hoppin) Mathematics, Conics (Scott) Chemistry (Brunel)	Ancient Painting (Swindler) Mathematics, Trigonometry (Scott) Chemistry (Brunel)
	ELECTIVE	Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)
	POST-MAJOR	Biology, Theoretical (Tennent)	Economic Geology (Bissell)
	GRADUATE	Inorganic Chemistry Physics Geology (Bascom)	
10	GENERAL	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
	MINOR	English, 19th Century Critics (Chew) German Grammar (Jessen) Spanish (Dorado) History of Europe, Div. A (Lingelbach) Div. B (David) Geology (Bascom) Biology (Tennent)	English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (Dorado) History of Europe, Div. A (Lingelbach) Div. B (David) Geology (Bascom) Biology (Tennent)
	MAJOR	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (G. G. King)
	ELECTIVE	Educational Psychology (Arlitt) Private Law (Fenwick)	Education (Castro)
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Physical Chemistry (Lanman)
	GRADUATE	Petrology (Bascom)	Applied Psychology (Rand), 10-12
11	GENERAL	English Composition, 1st year (Dunn)	English Composition, 1st year (Dunn)
	MINOR	Italian (Riddell) Economics, Introduction to Economics, Div. A (M. P. Smith) Div. B (Franklin) Philosophy, History of (T. de Laguna) General Archaeology (Hoppin)	Italian (Riddell) Economics, Introduction to Economics, Div. A (M. P. Smith) Div. B (Franklin) Philosophy, History of (T. de Laguna) Ancient Athens (Hoppin)
	MAJOR	Latin, Tacitus (Wheeler) Spanish Reading (Dorado) History, British Imperialism (W. R. Smith) Physics (Barnes) Chemistry (Lanman)	Latin Literature (Frank) Spanish Literature (Dorado) History, British Imperialism (W. R. Smith) Physics (Barnes) Chemistry (Lanman)
	ELECTIVE	History of the Near East (Barton)	Greek Religion and Myths (Wright)
	GRADUATE	Systematic Psychology (Ferree)	
12	MATRICULATION	French (Duncan)	French (Duncan)
	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) English, Shakespeare (Patch) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Blake)	Latin, Horace, Div. B (Frank) Div. A (Swindler) English, Shakespeare (Patch) Psychology, Experimental (Ferree and Rand) Gothic Architecture (G. G. King) Physics (Blake)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Beek) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Peebles)	Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Beek) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Peebles)
	ELECTIVE		History of the U. S. from 1865 (W. R. Smith)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

FIRST SEMESTER, 1918-19.

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)
Greek, Plato (Sanders) French Literature Div. B (Schenck) Div. A (Beulin)	Greek, Homer (Wright) French Reading and Composition Div. B (Schenck) Div. A (Beulin)	Greek, Sophocles (Sanders) French Literature Div. B (Schenck) Div. A (Beulin)
Ancient Egypt (Hoppin) Mathematics, Conics (Scott) Chemistry (Brunel)	Ancient Painting (Swindler) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel)	Ancient Egypt (Hoppin) Mathematics, Conics (Scott) Chemistry (Brunel)
Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)
Cosmogony (Bascom) Economic Geology (Bissell)	Economic Geology (Bissell)	Historical Development of Physics
Physics	Physics Journal Club (Barnes and Blake) Biology Journal Club (Tennent and Peebles)	Physics Geology (Bascom)
English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
English, 19th Century Critics (Chew) German Reading (Jessen) Spanish (Dorado) History of Europe, Div. A (Lingelbach) Div. B (David)	English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (Dorado) History of Europe, Div. A (Lingelbach) Div. B (David)	English, 19th Century Critics (Chew) German Reading (Jessen) Spanish (Dorado) History of Europe, Div. A (Lingelbach) Div. B (David)
Geology (Bascom) Biology (Tennent)	Geology, Demonstration (Bascom) Biology, Demonstration (Tennent)	Geology (Bascom) Biology (Tennent)
Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (G. G. King)	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)
Educational Psychology (Arlitt)	Education (Castro)	Educational Psychology (Arlitt)
Physics (Barnes) Chemistry (Brunel) Petrology (Bascom)	Physical Chemistry (Lanman)	Physics (Barnes) Chemistry (Brunel) Petrology (Bascom)
English Composition, 1st year (Dunn)	English Composition, 1st year (Dunn)	English Composition, 1st year (Dunn)
Italian (Riddell)	Italian (Riddell)	Italian (Riddell)
Economics (Introduction to Div. A (M. P. Smith) Div. B (Franklin)	Economics, Introduction to Div. A (M. P. Smith) Div. B (Franklin)	Economics, Introduction to Div. A (M. P. Smith) Div. B (Franklin)
Philosophy, History of (T. de Laguna) General Archaeology (Hoppin)	Philosophy, History of (T. de Laguna) Ancient Athens (Hoppin)	Philosophy, History of (T. de Laguna) General Archaeology (Hoppin)
Latin, Tacitus (Wheeler) Spanish Grammar (Dorado) History, British Imperialism (W. R. Smith) Physics (Barnes) Chemistry (Lanman)	Latin Literature (Frank) Spanish Literature (Dorado) History, British Imperialism (W. R. Smith) Gothic Architecture (G. G. King) Chemistry Laboratory (Lanman)	Latin, Tacitus (Wheeler) Spanish Reading (Dorado) History, British Imperialism (W. R. Smith) Physics Laboratory (Barnes) Chemistry Laboratory (Lanman)
History of the Near East (Barton) Mathematics (Scott)	Greek Religion and Myths (Wright)	History of the Near East (Barton)
Systematic Psychology (Ferree)		Systematic Psychology (Ferree)
French (Duncan)	French (Duncan)	French (Duncan)
Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) English, Shakespeare (Patch) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Blake)	Latin, Horace, Div. B (Frank) Div. A (Swindler) English, Shakespeare (Patch) Psychology, Experimental (Ferree and Rand) Gothic Architecture (G. G. King) Physics, Demonstration (Blake)	Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) English, Shakespeare (Patch) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Blake)
Greek, Aristophanes (Sanders) English Drama (Chew) French Literature (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Peebles)	Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Peebles)	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Peebles)
	History of the U. S. from 1865 (W. R. Smith) Chemistry Journal Club (Brunel, Lanman)	

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Major (Barnes) Chemistry, Major (Lanman) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Major (Barnes) Chemistry, Major (Lanman) Geology, Minor (Bascom) Biology, Minor (Tennent)
	MINOR	Spanish, Div. B (Duncan)	Spanish, Div. B (Duncan)
	ELECTIVE	History of War of 1914 (Lingelbach)	History of War of 1914 (Lingelbach)
	POST-MAJOR	Greek, Æschylus (Sanders)	Greek, Æschylus (Sanders)
	GRADUATE	French, Rabelais (Beulin) Economics and Politics, American Social Problems (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott) Beowulf (Patch), 230-430 Italian Seminary (Riddell), 2-4 Social Treatment (Kellogg)	French, Rabelais (Beulin) Economics and Politics, American Social Problems (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott) Seminary in Municipal Government (Franklin) Social Treatment (Kellogg)
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Major (Barnes) Chemistry, Major (Lanman) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Major (Barnes) Chemistry, Major (Lanman) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Biblical Literature (Barton) Civilian Relief (Kingsbury)	Elocution, Reading of Shakespeare (S. A. King) History of the Far East (Barton) Civilian Relief (Kingsbury) Advanced Experimental Psychology (Ferree)
	POST-MAJOR	Latin, Vergil (Frank) History, American Constitutional (William R. Smith)	Latin, Vergil (Frank) History, American Constitutional (William R. Smith) Mathematics (Pell)
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Legal Procedure (Kellogg) Advanced Social Statistics (Bezanson) Psychology Journal Club (Leuba, Ferree, and Rand) Seminary in Modern Painting (G. G. King), 3-5	Greek Seminary, Greek Orators (Sanders), 3-430 Seminary in English Literature (Cheney), 3-430 Seminary in French Literature (Schenecker), 3-430 Legal Procedure (Kellogg) Advanced Social Statistics (Bezanson)
4	GRADUATE	Latin Seminary, Cicero (Frank), 4-6 Seminary in English Literature (Donnelly), 4-6 Seminary in Mediæval French Literature (Beck), 4-6 Seminary in New Testament Greek (Barton) History Journal Club (William R. Smith, Lingelbach, David), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, Bezanson), 4-6. Alternate Weeks Seminary in Social Economy, Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Scott), 4-6 Seminary in Zoology (Tennent), 430-6	Greek Journal Club (Sanders and Wright), 430-6. Alternate Weeks Latin Journal Club (Wheeler and Franklin), 430-6. Alternate Weeks Middle English Seminary (Patch), 430-6 German Journal Club (Jessen), 430-6. Alternate Weeks Semitic Seminary (Barton) Seminary in European History (Lingelbach), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Ethics (Theodore de Laguerre), 4-6 Seminary in Educational Psychology (Castro), 4-6 Mathematical Journal Club (Scott and Pell). Alternate Weeks Seminary in Physiology 430-6 (Peebles)
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (Dorado)	French, Texts (Beulin) Comparative Semitic Grammar (Barton)

FIRST SEMESTER, 1918-19 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Spanish, Div. B (Duncan)</p> <p>History of War of 1914 (Lingelbach)</p> <p>Greek, 4th Cent. Critics (Sanders)</p> <p>Latin, Composition (Frank)</p> <p>German, Reading (Jessen)</p> <p>French, Drama (Schenck)</p> <p>Economics and Politics, American Social Problems (Marion P. Smith)</p> <p>Spanish Painting (G. G. King)</p> <p>Biology, Embryology (Tennent)</p> <p>Archæological Seminary (Hoppin), 2-4</p> <p>Advanced Old French Philology (Beck)</p> <p>Social Treatment (Kellogg)</p> <p>Intelligence Tests (Arlitt), 2-4</p> <p>Geology Journal Club (Bascom and Bissell), 2.15-4.15</p>	<p>Physics, Minor (Blake)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Major (Bissell)</p> <p>Biology, Major (Peebles)</p> <p>Spanish, Div. B (Duncan)</p> <p>Greek, Anthology (Wright)</p> <p>German Literature (Jessen)</p> <p>French, Drama (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Chinese and Japanese Art (Fernald)</p> <p>Seminary in European History (Lingelbach)</p> <p>Seminary in Industrial Peace (Bezanson)</p> <p>Aegean Archæology (Swindler)</p>	<p>Physics, Minor (Blake)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Major (Bissell)</p> <p>Biology, Major (Peebles)</p> <p>Spanish, Div. B (Duncan)</p> <p>German Literature (Jessen)</p> <p>French, Drama (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Chinese and Japanese Art (Fernald)</p> <p>Greek Seminary, Homeric Question (Wright), 2-4</p>
<p>Criticism (Crandall)</p> <p>Biblical Literature (Barton)</p> <p>Elements of Statistics (Bezanson)</p> <p>Greek, Anthology (Wright)</p> <p>Latin, Vergil (Frank)</p> <p>History of the French Revolution (David)</p> <p>Mathematics (Pell)</p> <p>Biology, Nervous System (Peebles)</p> <p>German, Literary Criticism (Jessen)</p> <p>Ethiopic Seminary in Politics (Fenwick)</p>	<p>Physics, Minor (Blake)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Major (Bissell)</p> <p>Biology, Major (Peebles)</p> <p>Daily Themes (Crandall)</p> <p>History of the Far East (Barton)</p> <p>Record Keeping (Kingsbury)</p> <p>Roman Elegy (Wheeler)</p> <p>History of the French Revolution (David)</p> <p>Greek Seminary, Greek Orators (Sanders), 3-4.30</p> <p>Seminary in English Literature (Chew), 3-4.30</p> <p>Seminary in French Literature (Schenck), 3-4.30</p> <p>Comp. Teutonic Grammar</p> <p>Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30</p>	<p>Physics, Minor (Blake)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Major (Bissell)</p> <p>Biology, Major (Peebles)</p> <p>Record Keeping (Kingsbury)</p> <p>Roman Elegy (Wheeler)</p> <p>History of the French Revolution (David)</p> <p>English Journal Club (Donnelly, Chew, Crandall, Patch), 4-3.30. Alternate Weeks</p> <p>Gothic</p> <p>Romance Languages Journal Club (Schenck, Beck, Beulin, Dorado, Riddell, and Duncan), 3-4.30. Alternate Weeks.</p> <p>Archæological Journal Club (Hoppin, Swindler), 3-4.30. Alternate Weeks</p>
<p>Latin Seminary, Latin Comedy (Wheeler), 4.30-6</p> <p>Seminary in English Composition (Crandall), 4-6</p> <p>Middle High German</p> <p>Romance Philology (Beck), 4.30-6</p> <p>English Seminary, (Dorado), 4-6</p> <p>Seminary in History of Religion (Barton)</p> <p>Seminary in American History (William R. Smith), 4-6</p> <p>Seminary in Social Research (Kingsbury), 4-6</p> <p>Seminary in Social Psychology (Leuba), 4-6</p> <p>Seminary in Education (Castro), 4.30-6</p>	<p>Middle English Seminary (Patch), 4.30-6</p> <p>Seminary in German Literature (Jessen), 4-6</p> <p>Middle Low German</p> <p>Semantic Seminary (Barton)</p> <p>Seminary in History, French Revolution (David), 4-6</p> <p>Seminary in Municipal Government (Franklin)</p> <p>Seminary in Social Theory (Kellogg), 4-6</p> <p>Educational Journal Club (Castro and Arlitt), 4.30-6</p> <p>Mathematics Seminary (Pell), 4-6</p> <p>Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks</p> <p>Seminary in Physiology (Peebles), 4-6</p> <p>Seminary in Zoology (Tennent), 4.30-6</p>	<p>Latin Seminary, Latin Comedy (Wheeler), 4.30-6</p> <p>Middle High German</p> <p>Romance Philology (Beck), 4.30-6</p> <p>Seminary in Economics (Marion P. Smith), 4-6</p> <p>Seminary in History of Philosophy (Sabin), 4-6</p> <p>Seminary in Education (Castro), 4.80-6</p>
<p>High German</p>	<p>Ethiopic (Barton)</p>	<p>Old High German</p>

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
	GENERAL	Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)
	MINOR	Greek, Euripides (Sanders) French, 19th Century Literature, Div. B (Beulin) Div. A (Duncan)	Greek, Homer (W. C. Wright) French Reading and Composition, Div. B (Beulin) Div. A (Duncan)
	MAJOR	Crete (Hoppin) Mathematics, Calculus (Pell) Chemistry (Lanman)	Ancient Architecture (Hoppin) Mathematics, Algebra (Pell) Chemistry Laboratory (Lanman)
	ELECTIVE	Italian (Riddell) Psychology, Applied (Rand)	Italian (Riddell) Psychology, Applied (Rand)
	GRADUATE	Biology, Theoretical (Tennent) Physics Geology (Bascom)	Economic Geology (Bissell)
10	GENERAL	English Composition, 2nd year (Dunn)	English Composition, 2nd year (Dunn)
	MINOR	English Mid. Eng. Romances (Patch) German Grammar (Jessen) Spanish (Dorado) History from 1517 to 1789 (W. R. Smith) Ancient Civilisation (David) Geology (Bissell) Biology (Peebles)	English Mid. Eng. Romances (Patch) German Literature (Jessen) Spanish (Dorado) History from 1517 to 1789 (W. R. Smith) Ancient Civilisation (David) Geology Laboratory (Bissell) Biology Laboratory (Peebles)
	MAJOR	Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)	Recent Philosophical Tendencies (T. de Laguna) Renaissance Sculpture (G. G. King)
	ELECTIVE	Educational Psychology (Arlitt) Private Law (Fenwick)	Education (Castro)
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Physical Chemistry (Lanman)
	GRADUATE	Petrology (Bascom)	Applied Psychology (Rand), 10-12
11	GENERAL	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
	MINOR	Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Franklin) Elementary Logic and Ethics (G. de Laguna) General Archaeology (Hoppin)	Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Franklin) Elementary Logic and Ethics (G. de Laguna) Ancient Rome (Swindler)
	MAJOR	Latin Comedy (Wheeler) Spanish Reading (Dorado) History of the Renaissance (Lingelbach) Physics (Blake) Chemistry (Brunel)	Latin Literature (Frank) Spanish Literature (Dorado) History of the Renaissance (Lingelbach) Physics (Blake) Chemistry (Brunel)
	ELECTIVE	History of the Near East (Barton)	Literary Geography (Wright)
	POST-MAJOR		Geology
	GRADUATE	Systematic Psychology (Ferree)	
12	MATRICULATION	French (Beulin)	French (Beulin)
	MINOR	Latin, Terence, Div. B (Wheeler) Div. A (Swindler) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)	Latin Horace, Div. A (Frank) Div. B (Swindler) Psychology of Instinct and Emotion (Leuba) Gothic Architecture (G. G. King) Physics Laboratory (Barnes)
	MAJOR	Greek, Thucydides (Sanders) English, Poets (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Tennent)	Greek Literature (Wright) English, Poets (Chew) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Tennent)
	ELECTIVE		History of the U. S. from 1865 (W. E. S. S. S.)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

SECOND SEMESTER, 1918-19.

WEDNESDAY	THURSDAY	FRIDAY
<p>Greek (Kirk) German (Quimby)</p> <p>Psychology, Div. A (Leuba) Div. B (Sabin)</p> <p>Greek, Euripides (Sanders) French, 19th Century Literature, Div. B (Beulin) Div. A (Duncan)</p> <p>Crete (Hoppin) Mathematics, Calculus (Pell) Chemistry (Lanman)</p> <p>Italian (Riddell)</p> <p>Psychology, Applied (Rand)</p> <p>Cosmogony (Bascom)</p> <p>Physics</p>	<p>Greek (Kirk) German (Quimby)</p> <p>Psychology, Div. A (Leuba) Div. B (Sabin)</p> <p>Greek, Homer (W. C. Wright) French, Reading and Composition, Div. B (Beulin) Div. A (Duncan)</p> <p>Ancient Architecture (Hoppin) Mathematics, Algebra (Pell) Chemistry, Demonstration (Lanman)</p> <p>Italian (Riddell)</p> <p>Psychology Applied (Rand)</p> <p>Economic Geology (Bissell)</p> <p>Physics Journal Club (Barnes and Blake) Biology Journal Club (Tennent and Peebles)</p>	<p>Greek (Kirk) German (Quimby)</p> <p>Psychology, Div. A (Leuba) Div. B (Sabin)</p> <p>Greek, Herodotus (Sanders) French, 19th Century Literature, Div. B (Beulin) Div. A (Duncan)</p> <p>Crete (Hoppin) Mathematics, Calculus (Pell) Chemistry (Lanman)</p> <p>Italian (Riddell)</p> <p>Psychology, Applied (Rand)</p> <p>Historical Development of Physics</p> <p>Physics</p>
<p>English Composition, 2nd year (Dunn)</p> <p>English Mid. Eng. Romances (Patch) German Reading (Jessen) Spanish (Dorado) History from 1517 to 1789 (W. R. Smith) Ancient Civilisation (David) Geology (Bissell) Biology (Peebles)</p> <p>Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)</p> <p>Educational Psychology (Arlitt)</p> <p>Physics (Barnes) Chemistry (Brunel)</p> <p>Petrography (Bascom)</p>	<p>English Composition, 2nd year (Dunn)</p> <p>English Mid. Eng. Romances (Patch) German Literature (Jessen) Spanish (Dorado) History from 1517 to 1789 (W. R. Smith) Ancient Civilisation (David) Geology Demonstration (Bissell) Biology, Demonstration (Peebles)</p> <p>Recent Philosophical Tendencies (T. de Laguna) Renaissance Sculpture (G. G. King)</p> <p>Education (Castro)</p> <p>Middle High German Physical Chemistry (Lanman)</p>	<p>English Composition, 2nd year (Dunn)</p> <p>English Mid. Eng. Romances (Patch) German Reading (Jessen) Spanish (Dorado) History from 1517 to 1789 (W. R. Smith) Ancient Civilisation (David) Geology (Bissell) Biology (Peebles)</p> <p>Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)</p> <p>Educational Psychology (Arlitt)</p> <p>Physics (Barnes) Chemistry (Brunel)</p> <p>Petrography (Bascom)</p>
<p>English Literature, 1st year (Donnelly)</p> <p>Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Franklin)</p> <p>Elementary Logic and Ethics (G. de Laguna) General Archaeology (Hoppin)</p> <p>Latin Comedy (Wheeler) Spanish Grammar (Dorado) History of the Renaissance (Lingelbach) Physics (Blake) Chemistry (Brunel)</p> <p>Mathematics (Scott) History of the Near East (Barton)</p>	<p>English Literature, 1st year (Donnelly)</p> <p>Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Franklin)</p> <p>Elementary Logic and Ethics (G. de Laguna) Ancient Rome (Swindler)</p> <p>Latin Literature (Frank) Spanish Literature (Dorado) History of the Renaissance (Lingelbach) Physics Laboratory (Blake) Chemistry Laboratory (Brunel)</p> <p>Literary Geography (Wright)</p>	<p>English Literature, 1st year (Donnelly)</p> <p>Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Franklin)</p> <p>Elementary Logic and Ethics (G. de Laguna) General Archaeology (Hoppin)</p> <p>Latin Comedy (Wheeler) Spanish Reading (Dorado) History of the Renaissance (Lingelbach) Physics Laboratory (Blake) Chemistry Laboratory (Brunel)</p> <p>History of the Near East (Barton)</p>
<p>Systematic Psychology (Ferree)</p> <p>French (Beulin)</p> <p>Latin, Terence, Div. B (Wheeler) Div. A (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)</p> <p>Greek, Sophocles (Sanders) English Poets (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Tennent)</p>	<p>French (Beulin)</p> <p>Latin, Horace, Div. A (Frank) Div. B (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba) Gothic Architecture (G. G. King) Physics, Demonstration (Barnes)</p> <p>Greek Literature (Wright) English Poets (Chew) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Tennent)</p> <p>History of the U. S. from 1865 (W. R. Smith)</p> <p>Chemistry Journal Club (Brunel and Lanman)</p>	<p>Systematic Psychology (Ferree)</p> <p>French (Beulin)</p> <p>Latin, Terence, Div. B (Wheeler) Div. A (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)</p> <p>Greek, Thucydides (Sanders) English Poets (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Tennent)</p>

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Major (Blake) Chemistry, Major (Brunel) Geology, Minor, Field Work (Bissell) Biology, Minor (Peebles)	Physics, Major (Blake) Chemistry, Major (Brunel) Geology, Minor (Bissell) Biology, Minor (Peebles)
	MINOR	Spanish, Div. B (Duncan)	Spanish, Div. B (Duncan)
	ELECTIVE	History of War of 1914 (Lingelbach)	History of War of 1914 (Lingelbach)
	POST-MAJOR	Greek, Pindar (Sanders)	Greek, Pindar (Sanders)
		French, Rabelais (Beulin) Economics and Politics, American Social Problems (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)	French, Rabelais (Beulin) Economics and Politics, American Social Problems (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)
	GRADUATE	Beowulf (Patch), 2.30-4.30 Italian Seminary (Riddell), 2-4 Social Treatment (Kellogg)	Seminary in Municipal Government (Franklin) Social Treatment (Kellogg)
3	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Major (Blake) Chemistry, Major (Brunel) Geology, Minor, Field Work (Bissell) Biology, Minor (Peebles)	Physics, Major (Blake) Chemistry, Major (Brunel) Geology, Minor (Bissell) Biology, Minor (Peebles)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Biblical Literature (Barton) Civilian Relief (Kingsbury)	Elocution, Reading of Shakespeare (S. A. King) History of the Far East (Barton) Civilian Relief (Kingsbury) Advanced Experimental Psychology (Ferrel)
	POST-MAJOR	Latin, Prose of the Empire (Frank) History, American Constitutional (William R. Smith)	Latin, Prose of the Empire (Frank) History, American Constitutional (William R. Smith) Mathematics (Pell)
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Legal Procedure (Kellogg) Advanced Social Statistics (Bezanson) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (G. G. King), 2-4	Greek Seminary, Greek Orators (Sanders) Seminary in English Literature (Cheverton), 3-4.30 Seminary in French Literature (Schneider), 3-4.30 Legal Procedure (Kellogg)
4	GRADUATE	Latin Seminary, Cicero (Frank), 4-6 Seminary in English Literature (Donnelly), 4-6 Seminary in Medieval French Literature (Beck), 4-6 Seminary in New Testament Greek (Barton) History Journal Club (W. R. Smith, Lingelbach, and David), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Seminary in Social Economy Practicum (Kingsburg and Kellogg), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, Bezanson), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Scott), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Frank), 4.30-6. Alternate Weeks Middle English Seminary (Patch), 4.30-6 German Journal Club (Jessen), 4.30-6. Alternate Weeks Semitic Seminary (Barton) Seminary in European History (Lingelbach), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Ethics (Theodore de Laguerre), 4-6 Seminary in Educational Psychology (Castro), 4-6 Mathematical Journal Club (Scott and Pell), Alternate Weeks Seminary in Physiology (Peebles), 4.30-6
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (Torado)	French Texts (Beulin) Comparative Semitic Grammar (Barton)

SECOND SEMESTER, 1918-19 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Chemistry, Major (Brunel)</p> <p>Spanish, Div. B (Duncan)</p> <p>History of War of 1914 (Lingelbach)</p> <p>Greek, Sophocles (Sanders)</p> <p>Latin, Composition (Frank)</p> <p>German, Reading (Jessen)</p> <p>French, Drama (Schenck)</p> <p>Economics and Politics, American Social Problems (Marion P. Smith)</p> <p>Spanish Painting (G. G. King)</p> <p>Biology, Embryology (Tennent)</p> <p>Advanced Old French Philology (Beck)</p> <p>Archæological Seminary (Hoppin), 2-4</p> <p>Social Treatment (Kellogg)</p> <p>Intelligence Tests (Arlitt), 2-4</p> <p>Geology Journal Club (Bascom and Bissell), 2.15-4.15</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Minor (Barnes)</p> <p>Chemistry, Minor (Lanman)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Spanish, Div. B (Duncan)</p> <p>Greek, Sophocles, <i>Ajazz</i> (Wright)</p> <p>German Literature (Jessen)</p> <p>French, Drama (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Renaissance Architecture (G. G. King)</p> <p>Seminary in European History (Lingelbach)</p> <p>Seminary in Industrial Peace (Bezanson), 2-4</p> <p>Ancient Painting (Swindler)</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Minor (Barnes)</p> <p>Chemistry, Minor (Lanman)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Spanish, Div. B (Duncan)</p> <p>German Literature (Jessen)</p> <p>French, Drama (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Renaissance Architecture (G. G. King)</p> <p>Greek, Seminary, Homeric Question (Wright), 2-4</p>
<p>Chemistry, Major (Brunel)</p> <p>Verification (Crandall)</p> <p>Biblical Literature (Barton)</p> <p>Elements of Statistics (Bezanson)</p> <p>Greek, Sophocles, <i>Ajazz</i> (Wright)</p> <p>Latin, Prose of the Empire (Frank)</p> <p>History of the French Revolution (David)</p> <p>Mathematics (Pell)</p> <p>Biology, Nervous System (Peebles)</p> <p>German, The Essay (Jessen)</p> <p>Gothic Seminary in Politics (Fenwick)</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Minor (Barnes)</p> <p>Chemistry, Minor (Lanman)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>The Short Story (Crandall)</p> <p>History of the Far East (Barton)</p> <p>Record Keeping (Kingsbury)</p> <p>Roman Elegy (Wheeler)</p> <p>History of the French Revolution (David)</p> <p>Greek Seminary, Greek Orators (Sanders), 3-4.30</p> <p>Seminary in English Literature (Chew), 3-4.30</p> <p>Comparative Teutonic Grammar</p> <p>Seminary in French Literature (Schenck), 3-4.30</p> <p>Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Minor (Barnes)</p> <p>Chemistry, Minor (Lanman)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Record Keeping (Kingsbury)</p> <p>Roman Elegy (Wheeler)</p> <p>History of the French Revolution (David)</p> <p>English Journal Club (Donnelly, Chew, Crandall and Patch), 3-4.30. Alternate Weeks</p> <p>Gothic Romance Languages Journal Club (Schenck, Beck, Beulin, Dorado, Riddell, and Duncan), 3-4.30. Alternate Weeks</p> <p>Archæological Journal Club (Hoppin, Swindler), 3-4.30. Alternate Weeks</p>
<p>Latin Seminary, Latin Comedy (Wheeler), 4.30-6</p> <p>Seminary in English Composition (Crandall), 4-6</p> <p>Middle High German</p> <p>Romance Philology (Beck), 4.30-6</p> <p>Spanish Seminary, (Dorado) 4-6</p> <p>Seminary in History of Religion (Barton)</p> <p>Seminary in American History (William R. Smith), 4-6</p> <p>Seminary in Social Research (Kingsbury), 4-6</p> <p>Seminary in Social and Political Philosophy (T. de Laguna), 4-6</p> <p>Seminary in Principles and Methods of Education (Castro), 4.30-6</p> <p>Seminary in Zoology (Tennent), 4.30-6</p> <p>Old High German</p>	<p>Middle English Seminary (Patch), 4.30-6</p> <p>Seminary in German Literature (Jessen), 4-6</p> <p>Middle Low German</p> <p>Semantic Seminary (Barton)</p> <p>Seminary in French Revolution (David) 4-6</p> <p>Seminary in Municipal Government (Franklin), 4-6</p> <p>Seminary in Social Theory (Kellogg), 4-6</p> <p>Mathematics Seminary (Pell), 4-6</p> <p>Education Journal Club (Castro and Arlitt), 4.30-6</p> <p>Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks</p> <p>Seminary in Physiology (Peebles), 4.30-6</p> <p>Ethiopic (Barton)</p>	<p>Latin Seminary, Latin Comedy (Wheeler), 4.30-6</p> <p>Middle High German</p> <p>Romance Philology (Beck), 4.30-6</p> <p>Seminary in Economics (Marion P. Smith), 4-6</p> <p>Seminary in History of Philosophy (Sabin), 4-6</p> <p>Seminary in Principles and Methods of Education (Castro), 4.30-6</p> <p>Seminary in Petrology (Bascom), 4.30-6</p> <p>Old High German</p>

SCHEDULE OF COLLEGIATE EXAMINATIONS,

		WEDNESDAY, JANUARY 22ND.	
		ELECTIVE.	Hour.
		Daily Themes.....	9-11
		Record Keeping.....	9-11
		Chinese and Japanese Art.....	2- 4
		Post-Major.	
		Greek, Anthology.....	2- 4
		Latin, Roman Elegy.....	9-11
		German, Literature and Reading.	2- 4
		French, Drama.....	2- 4
		History, French Revolution.....	9-11
		Politics, International Law.....	2- 4
		Record Keeping.....	9-11
MONDAY, JANUARY 27TH.		TUESDAY, JANUARY 28TH.	
GENERAL.	Hour.	MINOR.	Hour.
Second Year English, Literature..	9-12	Greek, Homer.....	9-11
MINOR.		French, Reading and Composition	9-11
English, 19th Century Critics...	9-12	Ancient Painting.....	9-11
German, Grammar and Reading.	9-11	Mathematics, Trigonometry.....	9-11
Spanish, Div. A.....	9-12	ELECTIVE.	
History of Europe.....	9-12	Economic Geology.....	9-11
Geology.....	9-12	Post-Major.	
Biology.....	9-12	Biology, Nervous System.....	2- 4
MAJOR.			
Philosophy, Kant to Spencer....	9-12		
17th and 18th Century Painting..	9-11		
ELECTIVE.			
Educational Psychology.....	9-11		
Private Law.....	9-10.15		
Post-Major.			
Physics.....	9-11		
Chemistry, Organic.....	9-11		
		WEDNESDAY, JANUARY 29TH.	
		MINOR.	Hour.
		Spanish, Div. B.....	9-12
		ELECTIVE.	
		Biblical Literature.....	2- 4
		Criticism.....	2- 4
		Experimental Psychology.....	2- 4
		Civilian Relief.....	2- 4
		Post-Major.	
		Greek, Aeschylus.....	9-11
		Latin, Vergil.....	2- 4
		French, Rabelais.....	9-11
		History, American Constitutional	2- 4
		History of War of 1914.....	9-11
		Economics, American Social Prob-	
		lems.....	9-11
		Spanish Painting.....	9-11
		Mathematics, Geometry.....	9-11

SCHEDULE OF MATRICULATION EXAMINATIONS,

		THURSDAY, JANUARY 16TH.		FRIDAY, JANUARY 17TH.	
		English Composition O. R. or	Hour.	Algebra.....	Hour.
		Literature, N. R.....	9.30-12.30	Latin Poets.....	9.30-12.0
		English Grammar O. R. or Com-	2.00- 4.00	English History.....	2.00- 3.3
		position, N. R.....	4.15- 5.45		3.45- 5.4
		Science, except Physics.....			
MONDAY, FEBRUARY 3RD.		TUESDAY, FEBRUARY 4TH.			
		Minor Latin, Section A.....	Hour.		
		Trigonometry.....	9.30-12.30 2.30- 4.30		
		Minor Latin, Section B.....	Hour.		
		Solid Geometry.....	9.30-12.30 2.30- 4.30		

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations; on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

FIRST SEMESTER, 1918-19.

THURSDAY, JANUARY 23RD.		FRIDAY, JANUARY 24TH.		SATURDAY, JANUARY 25TH.	
MINOR. Hour. Economics..... 9-12 Ancient Athens..... 9-11 History of the Far East..... 2- 4 MAJOR. Latin, Literature..... 9-11 ELECTIVE. Greek Religion and Myths..... 9-11 POST-MAJOR. Paleontology..... 9-11		ELEMENTARY. Hour. Greek..... 9-12 German..... 9-12 GENERAL. Philosophy..... 9-12 MINOR. Greek, Plato and Sophocles..... 9-12.15 French Literature..... 9-11 Ancient Egypt..... 9-11 Mathematics, Analytical Conics..... 9-11 Chemistry..... 9-12 MAJOR. Italian..... 9-12 Social Psychology..... 9-12 ELECTIVE. Cosmogony..... 9-10.15 Biology, Theoretical..... 11-12.15 POST-MAJOR. Inorganic Chemistry..... 2- 4		ELEMENTARY. French..... 9-12 MINOR. Hour. Latin, Horace..... 9-11 English, Shakespeare..... 9-12 Experimental Psychology..... 9-12 Gothic Architecture..... 9-11 Physics..... 9-12 MAJOR. Greek, Literature..... 9-11 English Drama..... 9-12 French, Reading and Composition..... 9-11 Mathematics, Theory of Equations..... 9-11 Politics..... 9-12 Geology..... 9-12 Biology..... 9-12 ELECTIVE. History of U. S..... 9-11 Elements of Statistics..... 2- 3.15	
THURSDAY, JANUARY 30TH.		FRIDAY, JANUARY 31ST.		SATURDAY, FEBRUARY 1ST.	
GENERAL. Hour. First Year, English Composition..... 9-12 MINOR. Italian..... 9-12 History of the Near East..... 9-11 Philosophy, History of..... 9-12 General Archaeology..... 9-11 MAJOR. Latin, Tacitus..... 9-11 Spanish..... 9-12 History, British Imperialism..... 9-12 Physics..... 9-12 Chemistry..... 9-12 ELECTIVE. Mathematics..... 9-10.15 POST-MAJOR. Mineralogy..... 9-11		MINOR. Hour. German, Literature..... 9-11 MAJOR. Renaissance Sculpture..... 9-11 ELECTIVE. Education..... 9-11 POST-MAJOR. Greek, 4th Cent. Critics..... 2- 3.15 Latin, Prose Composition..... 2- 4 Mathematics, Analysis..... 2- 4 Chemistry, Physical..... 9-11 Biology, Embryology..... 2- 3.15		MINOR. Hour. Latin, Cicero..... 9-11 Italian Renaissance Painting..... 9-11 MAJOR. Greek, Demosthenes and Aristophanes..... 9-12.15 French Literature..... 9-11 Mathematics, Diff. and Int. Calculus..... 9-11	

JANUARY-FEBRUARY, 1919.

SATURDAY, JANUARY 18TH.	MONDAY, JANUARY 20TH.	TUESDAY, JANUARY 21ST.
Hour. French Grammar and Composition 9.30-10.30 French Translation..... 10.45-12.45 Ancient History..... 2.00- 4.00 Greek Prose Authors..... 4.15- 5.15 Greek Grammar..... 5.15- 6.15	Hour. Geometry..... 9.30-12.00 Latin Composition..... 2.00- 3.30 Physics..... 3.45- 5.45	Hour. German Grammar and Composition..... 9.30-10.30 German Translation..... 10.45-12.45 Latin Prose Authors..... 2.00- 4.00 Greek Poets..... 4.15- 6.15

SCHEDULE OF COLLEGIATE EXAMINATIONS,

		WEDNESDAY, MAY 21st.	
		ELEMENTARY.	Hour.
		French	9-10.30
		MINOR.	
		Latin, Terence.....	9-11
		English Poets	9-12
		Psychology.....	9-12
		Italian, Renaissance Painting....	9-11
		Physics.....	9-12
		MAJOR.	
		Greek, Thucydides and Sophocles	9-12.15
		French, Literature.....	9-11
		History of Economic Thought....	9-12
		Mathematics, Curve Tracing....	9-12
		Geology.....	9-12
		Biology.....	9-12
MONDAY, MAY 26th.		TUESDAY, MAY 27th.	
		GENERAL.	Hour.
		French	9-10.30
		MINOR.	Hour.
		Latin, Horace.....	9-11
		Gothic Architecture.....	9-11
		MAJOR.	
		Greek, Literature.....	9-11
		French, Reading and Composition.....	9-11
		Mathematics, Anal. Geometry....	9-11
		ELECTIVE.	
		History of U. S.....	9-11
		POST-MAJOR.	
		Chemistry, Organic.....	9-11
		Biology, Embryology.....	2- 4
		GENERAL.	Hour.
		Second Year English, Composition	9-12
		MINOR.	
		Mid. English Romances	9-12
		German, Grammar and Reading....	9-11
		Spanish.....	9-12
		History from 1517-1789.....	9-12
		Ancient Civilisation	9-12
		Geology.....	9-12
		Biology.....	9-12
		MAJOR.	
		Philosophy.....	9-12
		17th and 18th Century Painting....	9-11
		ELECTIVE.	
		Educational Psychology.....	9-11
		Private Law.....	9-10.15
		POST-MAJOR.	
		Physics.....	9-11
WEDNESDAY, MAY 28th.		MINOR.	Hour.
		Spanish, Div. B.....	9-12
		ELECTIVE.	
		Biblical Literature.....	2- 4
		English, Reading of Shakespeare.	9-11
		Experimental Psychology.....	2- 4
		POST-MAJOR.	
		Greek, Pindar.....	9-10.15
		Greek, Sophocles.....	10.30-11.45
		Latin, Prose of the Empire.....	2- 4
		French, Rabelais	9-11
		History, American Constitutional	2- 4
		History of the War of 1914.....	9-11
		Civilian Relief	2- 4
		Economics, American Social Problems.....	9-11
		Spanish Painting.....	9-11
		Mathematics, Geometry.....	9-11

SCHEDULE OF MATRICULATION

		WEDNESDAY, MAY 28th.	
			Hour.
		Minor Latin, Section A.....	9.30-12.30
		Trigonometry.....	9.30-11.30
		Minor Latin, Section B.....	2.30- 5.30
		Solid Geometry.....	2.30- 4.30
		Greek or French or German or Italian or Spanish Translation.	3.15- 4.45
MONDAY, JUNE 2nd.		TUESDAY, JUNE 3rd.	
			Hour.
		French Grammar and Composition	9.30-10.30
		French Translation.....	10.45-12.45
		Ancient History.....	2.00- 4.00
		Greek, Prose Authors.....	4.15- 5.15
		Greek Grammar.....	5.15- 6.15
			Hour.
		Geometry.....	9.30-12
		Latin, Composition.....	2.00- 3.30
		Physics N. R.....	3.45- 5.45
		WEDNESDAY, JUNE 4th.	
			Hour.
		German Grammar and Composition.....	9.30-10.30
		German Translation.....	10.45-12.45
		Latin, Prose Authors.....	2.00- 4.00
		Greek Poets.....	4.15- 5.15

SECOND SEMESTER, 1918-19.

THURSDAY, MAY 22ND.		FRIDAY, MAY 23RD.		SATURDAY, MAY 24TH.	
ELECTIVE.	Hour.	MINOR.	Hour.	ELEMENTARY.	Hour.
The Short Story.....	9-11	Ancient Rome.....	9-11	German.....	9-10.30
Chinese and Japanese Art.....	2- 4	History of the Far East.....	2- 4	Greek.....	9-10.30
Record Keeping.....	9- 4				
POST-MAJOR.		MAJOR		GENERAL.	
Greek, Sophocles.....	2- 4	Latin, Literature.....	9-11	Psychology.....	9-12
Latin, Roman Elegy.....	9-11				
German, Literature and Reading.....	2- 4	ELECTIVE.		MINOR.	
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Ancient Architecture.....	9-11	Politics.....	9-12	ELECTIVE.	
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Grammar and Composition.....	2.00- 3.00	English Grammar O. R. or Composition N. R.....	2.00- 4.00	Latin Poets.....	2.00- 3.30
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BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE COURSES

1919



BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,

May, 1919.

Volume XII. Part 3.

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CALENDAR

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BRYN MAWR, PENNSYLVANIA.

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Printed by The John C. Winston Co.,
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BRYN MAWR COLLEGE CALENDAR

1919

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

COLLEGE CALENDAR.

[illegible]

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 3rd, 1920.

ACADEMIC YEAR, 1919-20.

September 22nd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students. Matriculation examinations end.
October 1st.	The work of the thirty-fifth academic year begins at a quarter to nine o'clock.
October 2nd.	Examinations for advanced standing begin.
October 4th.	Language examinations for all undergraduates.
October 11th.	Senior examination in French. Language examinations for Juniors.
October 18th.	Senior examination in German.
October 23rd.	Examinations for advanced standing end.
November 17th.	Collegiate and matriculation condition examinations begin.
November 25th.	Collegiate and matriculation condition examinations end.
November 26th.	Thanksgiving vacation begins at one o'clock.
December 1st.	Thanksgiving vacation ends at nine o'clock.
December 6th.	Senior examination in French.
December 13th.	Senior examination in German.
December 22nd.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 14th.	Matriculation examinations begin.
January 20th.	Matriculation examinations end.
January 21st.	Half-yearly collegiate examinations begin.
January 31st.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 2nd.	Vacation.
February 3rd.	Vacation.
February 4th.	The work of the second semester begins at a quarter to nine o'clock.
February 5th.	Examinations for advanced standing begin.
February 26th.	Examinations for advanced standing end.
March 13th.	Senior examination in French.
March 16th.	Mid-semester examination in matriculation Greek.
March 19th.	Announcement of European Fellowships.
March 20th.	Senior examination in German.
March 22nd.	Collegiate and matriculation condition examinations begin.
March 30th.	Collegiate and matriculation condition examinations end.
March 31st.	Easter vacation begins at one o'clock.
April 8th.	Easter vacation ends at nine o'clock.
May 8th.	Senior examinations in French and German.
May 18th.	Vacation.

May 19th.	Collegiate examinations begin.
May 26th.	Matriculation examinations begin.
May 29th.	Collegiate examinations end.
June 2nd.	Matriculation examinations end.
June 3rd.	Conferring of degrees and close of thirty-fifth academic year.

ACADEMIC YEAR, 1920-21.

September 20th.	Matriculation examinations begin.
September 27th.	Registration of students. Halls of Residence open for students at three p. m.
September 28th.	Registration of students. Matriculation examinations end.
September 29th.	The work of the thirty-sixth academic year begins at a quarter to nine o'clock.
September 30th.	Examinations for advanced standing begin.
October 2nd.	Language examinations for all undergraduates.
October 9th.	Senior examination in French. Language examinations for Juniors.
October 16th.	Senior examination in German.
October 21st.	Examinations for advanced standing end.
November 15th.	Collegiate and matriculation condition examinations begin.
November 23rd.	Collegiate and matriculation condition examinations end.
November 24th.	Thanksgiving vacation begins at one o'clock.
November 29th.	Thanksgiving vacation ends at nine o'clock.
December 4th.	Senior examination in French.
December 11th.	Senior examination in German.
December 21st.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock.
January 12th.	Matriculation examinations begin.
January 18th.	Matriculation examinations end.
January 19th.	Half-yearly collegiate examinations begin.
January 29th.	Collegiate examinations end. Annual meeting of the Alumnae Association.
January 31st.	Vacation.
February 1st.	Vacation.
February 2nd.	The work of the second semester begins at a quarter to nine o'clock.
February 3rd.	Examinations for advanced standing begin.
February 24th.	Examinations for advanced standing end.
March 12th.	Senior examination in French.
March 14th.	Collegiate and matriculation condition examinations begin.
March 16th.	Mid-semester examination in matriculation Greek.
March 18th.	Announcement of European Fellowships.

March 19th.	Senior examination in German.
March 22nd.	Collegiate and matriculation condition examinations end.
March 23rd.	Easter vacation begins at one o'clock.
March 31st.	Easter vacation ends at nine o'clock.
May 7th.	Senior examinations in French and German.
May 17th.	Vacation.
May 18th.	Collegiate examinations begin.
May 25th.	Matriculation examinations begin.
May 28th.	Collegiate examinations end.
June 1st.	Matriculation examinations end.
June 2nd.	Conferring of degrees and close of thirty-sixth academic year.

ACADEMIC YEAR, 1921-22.

September 26th.	Matriculation examinations begin.
October 3rd.	Registration of students. Halls of Residence open for students at three p. m.
October 4th.	Registration of students. Matriculation examinations end.
October 5th.	The work of the thirty-seventh academic year begins at a quarter to nine o'clock.

SCHEDULE OF EXAMINATION FOR MATRICULATION.

For Schedules from Spring, 1919, to Winter, 1921, see end of volume.

SCHEDULE OF LECTURES.

See pages 228-235.

SCHEDULE OF COLLEGIATE EXAMINATIONS.

See pages 236-239.

CORPORATION.

RUFUS M. JONES,
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Treasurer.

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ANNA RHOADS LADD.
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WILLIAM C. DENNIS.
ARTHUR PERRY.

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BOARD OF DIRECTORS.

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MARION REILLY.
ARTHUR PERRY.
ARTHUR FREEBORN CHACE.
FRANCES FINCKE HAND.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1918-19.

*President,*M. CAREY THOMAS, PH.D., LL.D., L.H.D.
Office: Taylor Hall.*Dean of the College,*HELEN HERRON TAFT, A.M.
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.*Secretary and Registrar of the College,*

EDITH ORLADY, A.B. Office: Taylor Hall.

Assistant to the Secretary and Registrar of the College,

MARIAN CLEMENTINE KLEPS, A.B. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

ALICE MARTIN HAWKINS, A.B., Merion Hall.

LETITIA BUTLER WINDLE, A.B., Radnor Hall.

ADELINE WERNER VORYS, A.B., Rockefeller Hall.

KATHARINE WALKER MCGIFFERT, A.B., Denbigh Hall.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Business Manager,

LOUISE WATSON, A.B. Office: Taylor Hall.

Assistant Business Manager,

RUTH ELLEN LAUTZ, A.B. Office: Taylor Hall.

Junior Bursar,

HARRIET JEAN CRAWFORD, A.B. Office: Cartref.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Athletics and Gymnastics and Supervisor of Health Department,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician-in-Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily
Rosemont, Pa.*Assistant Resident Physician,*MARION HAGUE REA, M.D., 1905 Infirmary, Bryn Mawr; Office hours,
The Infirmary, Bryn Mawr College, 8 to 8.30 a. m., 4 to 5.30 p. m.,
daily except Saturday and Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1408 Spruce Street,
Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1918-19.

M. CAREY THOMAS,* PH.D., LL.D., L.H.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zurich, 1882. Student in the Sorbonne and College de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Dean of the College and Acting President (elect) of the College for 1919-20.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916. Graduate Student, Yale University, 1915-17.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

HILDA WORTHINGTON SMITH, A.M., *Acting Dean (elect) of the College for 1919-20.*

A.B., Bryn Mawr College, 1910, and A.M., 1911. Warden of Rockefeller Hall, 1913-14; Graduate Student, Bryn Mawr College, 1910-11, New York School of Philanthropy, 1912-13, 1914-15, Columbia University, 1914-15; Director of Community Centre, Bryn Mawr, 1916-19.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-94; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

* Granted leave of absence for the year 1919-20.

FONGER DEHAAN,* Ph.D., Professor of Spanish.

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, Ph.D., *Alumnæ Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, Ph.D., *Alumnæ Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF,† Ph.D., Professor of Physics.

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH,‡ Ph.D., Professor of History.

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Mary Elizabeth Garrett Memorial Alumnæ Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, Ph.D., Professor of German Literature.

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, Ph.D., Professor of Latin.

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04; Visiting Professor, American Academy in Rome, 1916-17.

DAVID HILT TENNENT, Ph.D., Professor of Biology.

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

JAMES BARNES, Ph.D., Professor of Physics.

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA, Ph.D., Professor of Philosophy.

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH,‡ Ph.D., Professor of Economics.

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, Ph.D., Professor of Experimental Psychology and Director of the Psychological Laboratory.

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

* Granted leave of absence for the years 1917-19.

† Granted leave of absence for the year 1918-19.

‡ Granted leave of absence for the year 1919-20.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Margaret Kingsland Haskell Professor of English Composition.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

ROGER FREDERIC BRUNEL, PH.D., *Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Professor of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, PH.D., *Associate in Experimental and Applied Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Associate Professor of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Dean of the College, Bryn Mawr College, 1916-17.

SAMUEL CLAGGETT CHEW, PH.D., *Associate Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

GEORGIANA GODDARD KING,* A.M., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

* Granted leave of absence for the year 1919-20.

RHYS CARPENTER,* PH.D., Associate Professor and Professor (elect) of Classical Archaeology.

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

CHARLES GHEQUIERE FENWICK, PH.D., Professor of Political Science.

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

HOWARD LEVI GRAY,† PH.D., Professor of History.

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15.

JAMES LLEWELLYN CRENSHAW,* PH.D., Associate in Physical Chemistry.

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15.

HOWARD JAMES SAVAGE,* PH.D., Associate Professor of Rhetoric and Director of the Work in English Composition.

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915.

HOWARD ROLLIN PATCH, PH.D., Associate in English Philology.

A.B., Hobart College, 1910; A.M., Harvard University, 1912, and Ph.D., 1915. Assistant in English, Harvard University, 1912-13; John Harvard Fellow, 1912-15; Instructor in English, Harvard University and Radcliffe College, 1915-16.

ETHEL ERNESTINE SABIN, PH.D., Associate in Philosophy.

A.B., University of Wisconsin, 1908, and A.M., 1914; Ph.D., University of Illinois, 1916. Graduate Scholar, University of Wisconsin, 1913-14; Fellow, University of Illinois, 1914-16; Assistant in English, University of Illinois, 1916-17.

ADA HART ARLITT, PH.D., Associate in Educational Psychology.

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

FLORENCE PEEBLES, PH.D., Associate Professor of Physiology.

A.B., Woman's College of Baltimore, 1895; Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table, and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11, 1913-15; Holder of American Woman's Table in Zoological Station, Naples, spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10; Private Tutor, 1907-12, 1913-15; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13; Lecturer in Biology, Bryn Mawr College, as substitute for Professor of Biology, Oct. to Dec. 1913; Professor of Biology and Head of Department, H. Sophie Newcomb Memorial College, Tulane University, 1915-17.

JOSEPH CLARK HOPPIN, PH.D., Professor of Classical Archaeology.

A.B., Harvard University, 1893; Ph.D., University of Munich, 1896. American School of Classical Studies, Athens, Winter Semester, 1893-94, 1895-96; University of Berlin, Summer Semester, 1893-94; University of Munich, 1894-95; Summer Semester, 1895-96; American School of Classical Studies, Athens, 1896-97, Lecturer on Greek Vases, 1897-98, and Professor of Greek Language and Literature, 1904-05; Instructor in Greek Art, Wellesley College, 1898-99. Associate in Classical Art and Archaeology, Bryn Mawr College, 1899-1901, and Associate Professor, 1901-04. *Replacing Dr. Rhys Carpenter absent on War Service.*

* Granted leave of absence for Military Service for the years 1917-19.

† Granted leave of absence for the year 1918-19.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*
Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

ANNA JOHNSON PELL, Ph.D., *Associate Professor of Mathematics.*

A.B., University of South Dakota, 1903; M.S., University of Iowa, 1904; A.M., Radcliffe College, 1905; Ph.D., University of Chicago, 1910; Holder of Alice Freeman Palmer Fellowship of Wellesley College and Student in Mathematics, University of Göttingen, 1906-07; Instructor in Mathematics, Mount Holyoke College, 1911-14, and Associate Professor of Mathematics, 1914-18.

CHARLES WENDELL DAVID, Ph.D., *Associate Professor of History.*

B.A., Oxford University, 1911; A.M., University of Wisconsin, 1912; Ph.D., Harvard University, 1918; Instructor in History, University of Washington, 1915-18.

CLAUDE RIVIÈRE, Agrégée des Lettres, Associate in French.

Paris, France. Agrégée des Lettres de l'Université de Paris, 1904. Professor at the Lycée de Jeunes Filles de Toulouse, 1907-10; Substitute Professor in the Lycées Racine, Victor Hugo, Fénelon, and Lakanal, Paris, 1905-18.

ANNA LANE LINGELBACH, Ph.D., *Lecturer in History.*

A.B., University of Indiana, 1895, and A.M., 1896; Ph.D., University of Pennsylvania, 1916. Graduate Student, University of Chicago, 1896, 1897-98; Sorbonne, 1910-11.

MARY HAMILTON SWINDLER, Ph.D., *Instructor in Latin and Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, in Miss Wright's School, Bryn Mawr, 1911-12, and in the Phoebe Anna Thorne Model School, 1914-17.

ESTHER CLOUDMAN DUNN, A.B., *Instructor in English Composition and Acting Director of First and Second Year English Composition.*

A.B., Cornell University, 1913. Fellow (elect) in English, Bryn Mawr College, 1917-18. Replacing Dr. Howard James Savage absent on War Service.

ANGIE LILLIAN KELLOGG, A.M., *Instructor in Social Economy and Social Research.*

A.B., Vassar College, 1903, and A.M., 1904. Resident Fellow, Vassar College, 1903-04; Teacher of English, Schenectady High School, N. Y., 1904-10; Law Student, 1910-11; Fellow in Philosophy, Bryn Mawr College, 1911-13, and Graduate Scholar and Fellow by Courtesy, 1913-14; Holder of Mary Richardson and Lydia Pratt Babbott Fellowship of Vassar College, 1913-14; awarded A. C. A. European Fellowship for 1914-15; Probation Officer for Girls in Watertown, N. Y., Agent for S. P. C. C. Society of Jefferson Co., N. Y., and Superintendent of Bureau of Charities, Watertown, N. Y., summer of 1912; Officer at Bedford Reformatory, N. Y., summer of 1913; Jefferson County Agent for Dependent and Delinquent Children, 1914-16; Research Field Worker for the New York School of Philanthropy, January to May, 1916.

EMILY GIFFORD NOYES, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1915. Student in the School of Journalism, Columbia University, 1915-16, and Graduate Student in English, 1916-17.

HELEN MCGREGOR NOYES, A.B., *Instructor in English Composition.*

A.B., Radcliffe College, 1915. Teacher in Dana Hall, Wellesley, Mass., 1916-17.

AGNES RUTHERFORD RIDDELL, Ph.D., *Instructor in Italian.*

A.B., University of Toronto, 1896, with first class honours in Modern Languages; and A.M., 1897. Honours, Ontario Normal College, 1898. Ph.D., University of Chicago, 1916. Teacher of French and German, Oshawa High School, 1898-1901; Assistant Reader, Department of English, University of Toronto, 1902-11; Teacher of English, Branksome Hall, Toronto, 1904-05; Teacher of German, Latin and English, Westbourne School, Toronto, 1906-10, 1913-14; Graduate Student in Romance Languages, University of Chicago, January, 1912, to August, 1913; Fellow in Romance Languages, University of Chicago, 1914-15; Acting Head of Kelly Hall, University of Chicago, summers of 1913, 1914 and 1915; Professor of Romance Languages, and Dean of Women College of Emporia, Emporia, Kansas, 1915-17.

ANNE BEZANSON, A.M., *Instructor in Social Economy and Social Research*.
A.B., Radcliffe College, 1915, and A.M., 1916. Harvard University, 1915-16; Manager of Business Firm, 1903-11; Assistant in Economic Research, Harvard University 1916-18; Lecturer on Statistics, Wellesley College, 1917-18.

MARJORIE LORNE FRANKLIN, A.M., *Instructor in Economics and Politics*.
A.B., Barnard College, 1913, and A.M., Columbia University, 1916. Graduate Scholar, Bryn Mawr College, 1913-14 and Fellow in Economics, 1914-15; Columbia University, 1915-16; Library Assistant, American Telephone and Telegraph Co., 1916-17; Instructor in Political Science, Vassar College, 1917-18.

HELEN E. FERNALD, A.B., *Instructor in History of Art*.

A.B., Mount Holyoke College, 1914. Teachers' College, 1916-18; Scientific Artist and Research Assistant, Columbia University, 1915-18.

MARY AGNES QUIMBY, Ph.D., *Instructor in German*.

A.B., Bryn Mawr College, 1906; A.M., Cornell University, 1916; Ph.D., University of Pennsylvania, 1918; Teacher of German and History in the Berwyn High School, 1907-14; Graduate Student, Cornell University, 1915-16; Pepper Fellow in Germanics, University of Pennsylvania, 1916-18.

MARGARET STEEL DUNCAN, Ph.D., *Instructor in French and Spanish*.

A.B., Bryn Mawr College, 1908, and A.M., University of Illinois, 1910; Ph.D., University of Pennsylvania, 1918; Honorary Fellow in Romance Languages, University of Illinois, 1909-10; Instructor in Romance Languages, Hiram College, 1910-12, 1913-14; Student in the Sorbonne and in Madrid, Spain, 1912-13; Graduate Student, Department of Romance Languages, 1916-17; and Joseph M. Bennett Fellow in Romanics, University of Pennsylvania, 1917-18; Associate Professor of Romance Languages, Temple University, Philadelphia, 1916-18.

MALCOLM HAVENS BISSELL, A.M., *Instructor in Geology*.

Ph.B., Yale University, 1911 and A.M., 1918; Instructor in Engineering, University of Pittsburgh, 1913-14; Assistant in Geography, Yale University, 1917-18; with Connecticut Geological Survey, 1917.

EDITH HAMILTON LANMAN, A.M., *Instructor in Chemistry*.

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

SUE AVIS BLAKE, A.M., *Instructor in Physics*.

A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

CAROLINA MARCIAL DORADO, A.B., *Instructor in Spanish*.

A.B., Instituto Cardenal Cisneros, Madrid, 1907. Graduate Student, Wellesley College, 1909-10; University of Porto Rico, 1914-16; University of Madrid, Summer School, 1913; Columbia University and University of Pennsylvania, 1918-19; Instructor in Spanish Wellesley College, 1907-11; Assistant Professor of Spanish Literature, University of Porto Rico, 1911-17; Head of the Spanish Department of Ginn and Co., 1917-18.

ESTHER PARKER ELLINGER, Ph.D., *Instructor in English Composition*.

A.B., Goucher College, 1915; Ph.D., University of Pennsylvania, 1918.

MARGARET W. WATSON, A.M., *Instructor in English Composition*.

A.B., Barnard College, 1913, and A.M., Columbia University, 1917. Lecturer in German, Barnard College, 1917-18.

ABBY KIRK, A.B., *Reader in Elementary Greek*.

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1919.

EVA ALICE WORRALL BRYNE, A.M., *Reader in English*.

A.B., Bryn Mawr College, 1916, and A.M., 1917. Graduate Scholar in Latin, Bryn Mawr College, 1916-17; Graduate Scholar in English, 1918-19, and Mary E. Garrett European Fellow (elect).

BIRD MARGARET TURNER, A.M., *Reader in Mathematics.*

A.B., University of West Virginia, 1915, and A.M., 1916. Teacher in Graded Schools, Moundsville, W. Va., 1896-1900; Teacher of Mathematics in the Moundsville High School, 1900-13; Student Assistant in Mathematics, University of West Virginia, 1913-15; Graduate Student in Mathematics, University of West Virginia, 1914-15; and Assistant in the University summer schools, 1914 and 1915; Principal of High School, Moundsville, 1915-16; Scholar in Mathematics, Bryn Mawr College, 1916-17; Assistant Director and Teacher of Mathematics in the Phebe Anna Thorne Model School, 1917-18 and President's European Fellow (elect) 1917-18.

MARY RUTH ALMACK, A.M., *Assistant Demonstrator in Experimental Psychology.*

A.B., Ohio State University, 1915, and A.M., 1916. Fellow in Psychology, Bryn Mawr College, 1916-18.

ISTAR ALIDA HAUPT, A.M., *Assistant Demonstrator in Applied Psychology.*

A.B., Bryn Mawr College, 1917, and A.M., 1918. Scholar in Psychology, Bryn Mawr College, 1917-18.

HARRIET HOBBS, A.B., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1918.

NORAH MAY MOHLER, A.B., *Demonstrator in Physics.*

A.B., Dickinson College, 1917. Scholar in Mathematics, Bryn Mawr College, 1917-18.

MARY JANE GUTHRIE, A.M., *Assistant Demonstrator in Biology.*

A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoölogy, University of Missouri, 1916-18.

HOPE HIBBARD, A.M., *Assistant Demonstrator in Biology.*

A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoölogy, University of Missouri, 1915-18.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-12.

MARY LOUISE TERRIEN, A.B., *Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

MARY ISABELLE O'SULLIVAN, A.B., *Head Cataloguer.*

A.B., Bryn Mawr College, 1907, New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, Philadelphia, 1909-15; Cataloguer, New York Public Library, 1916-17. Scholar in English Composition, Bryn Mawr College, 1917-18.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

H. BEATRICE BROWN, A.B., B.S., *Assistant to the Circulation and Reference Librarian.*

A.B., Wellesley College, 1917; B.S., Simmons College, 1918.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

HELEN REED KIRK, A.B., *Assistant Director of Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1914. Teacher of Latin, History, and Athletics in the Holman School, Philadelphia, 1914-16.

JEANNE HAMMER, *Gymnasium Demonstrator.***CAROL S. KEAY, *Gymnasium Demonstrator.*****DOROTHY GRAY CRANE, *Gymnasium Demonstrator.***

ADMINISTRATIVE AND EXECUTIVE APPOINTMENTS.

M. CAREY THOMAS,* Ph.D., LL.D., L.H.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zurich, 1882. Student in the Sorbonne and College de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Dean of the College and Acting President (elect) of the College for 1919-20.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916; Graduate Student, Yale University, 1915-17.

ISABEL MADDISON, B.Sc., Ph.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

HILDA WORTHINGTON SMITH, A.M., *Acting Dean (elect) of the College for 1919-20.*

A.B., Bryn Mawr College, 1910, and A.M., 1911. Warden of Rockefeller Hall, 1913-14; Graduate Student, Bryn Mawr College, 1910-11, New York School of Philanthropy, 1912-13, 1914-15, Columbia University, 1914-15; Director of Community Centre, Bryn Mawr, 1916-19.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

MARIAN CLEMENTINE KLEPS, A.B., *Assistant to the Secretary and Registrar.*

A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916. Assistant to the Recording Secretary, 1916-17; Reader in Mathematics, 1917-18.

SANDY LEE HURST, *Comptroller.*

LOUISE WATSON, A.B., *Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

RUTH ELLEN LAUTZ, A.B., *Assistant Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Friends' Academy, Moorestown, N. J., 1912-16.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment.*

GEORGE C. CHANDLER, *Superintendent of Buildings and Grounds.*

HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall and Director of Wardens.*

A.B., Bryn Mawr College, 1889.

ALICE MARTIN HAWKINS, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Philadelphia, 1907-08, and in the Friends' School, Germantown, 1908-09.

*Granted leave of absence for the year 1919-20.

LETITIA BUTLER WINDLE, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1907. Secretary and Teacher of Mathematics in the Wykeham Rise School, Washington Conn., 1907-08; Assistant Agent of the Federated Charities of Baltimore, Md., 1908-09; Teacher of Mathematics in the Stevens School, Germantown, Philadelphia, 1909-15, and in the Gordon-Roney School, Philadelphia, 1915-16.

ADELINE AGNES WERNER VORYS, A.B., *Warden of Rockefeller Hall.*

A.B., Bryn Mawr College, 1916. Assistant Teacher of English, Columbus School for Girls, 1917-18.

KATHERINE WALKER MCGIFFERT, A.B., *Warden of Denbigh Hall.*

A.B., Barnard College, 1916.

HARRIET JEAN CRAWFORD, A.B., *Junior Bursar.*

A.B., Bryn Mawr College, 1902. Chairman of Sectional School Board, 35th Ward, Philadelphia, 1910-16; Warden of Rockefeller Hall, Bryn Mawr College, 1907-11.

HEALTH DEPARTMENT.**HELEN HERRON TAFT, A.M., *Head of Health Department.*****M. CAREY THOMAS, PH.D., LL.D., L.H.D., *Ex-officio.*****CONSTANCE M. K. APPLEBEE, *Health Supervisor.*****THOMAS F. BRANSON, M.D., *Physician-in-Chief.***

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

MARION HAGUE REA, M.D., *Assistant Resident Physician.*

A.B., Vassar College, 1909; M.D., Woman's Medical College of Pennsylvania, 1915. Intern, Philadelphia General Hospital, 1915-16; Assistant Physician, Boston Psychopathic Hospital, 1916-17; Assistant Visiting Chief Medical Service, Philadelphia General Hospital, and Assistant in Medicine, Woman's Medical College of Pennsylvania, 1918-19.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians* have consented to serve as consultants:

THOMAS MCCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician.*

GEORGE E. DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 2000 Spruce Street, Philadelphia, *Consultant Surgeon.*

ARTHUR E. BILLINGS, M.D., 264 South 16th Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 302 South Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 South Sixteenth Street, Philadelphia, *Consultant Orthopaedist.*

* During the absence of certain of these physicians on War Service other physicians in Philadelphia have kindly consented to serve.

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, PH.D., *Director.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Professor of Education, Bryn Mawr College.

ELSIE GARLAND HOBSON, PH.D., *Head Mistress.*

A.B., Boston University, 1895, and A.M., 1896; Ph.D., University of Chicago, 1916. Teacher of Greek and English, High School, Lewiston, Me., 1896-97; Teacher of Greek and Latin, Academy for Women, Jacksonville, Ill., 1897-99; Principal in Greek and Latin, Academy for Women, Jacksonville, Ill., 1899-1900; Principal and Teacher of Greek and Latin, Michigan Seminary, Kalamazoo, Mich., 1900-07; Principal and Teacher of Greek and Latin, Frances Shimer Academy, Mt. Carroll, Ill., 1907-13; Teacher of Greek and Latin, Miss Spaid's School, Chicago, Ill., 1913-14; Head of High School Department and Teacher of Mathematics and History, Mary C. Wheeler School, Providence, R. I., 1914-18.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

MABEL PAULINE WOLFF, A.M., *Teacher of History.*

A.B., Barnard College, 1905, and A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06, Allentown College for Women, 1906-07, Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Washington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16.

IRENE ROBERTS, *Teacher of Drawing, Modelling, and Weaving.*

Student in the Normal Art and Manual Training Course, and General Art Course, Pratt Institute, 1908-10. Teacher of drawing and handwork, Rutgers' Elementary School, New Brunswick, N. J., 1910-12; Teacher of drawing, handwork, and the history of art, The Sudder School for Girls, New York City, 1912-16.

ALICE RUTH PARKER, A.M., *Teacher of Greek and Latin.*

A.B., Mount Holyoke College, 1913, and A.M., 1915. Reader in Latin, Mount Holyoke College, 1913-15; Teacher of Latin, High School, Hudson, N. Y., 1915-17; Teacher of Latin, Cortland Normal School, Cortland, N. Y., 1917-18.

MARY GRACE HAMILTON, A.B., *Teacher of English.*

A.B., University of California, 1913. Teacher of English, High Schools, California, 1913-17; Fellow in English, University of Chicago, 1917-18.

MARIE SCHOELL, *Teacher of French.**

Holder of the Certificat d'aptitude à l'enseignement de l'anglais, 1914. Student, Sorbonne, 1913-14; Student, University of Bordeaux, 1916-17; Diplôme d'études supérieures, 1916-17; Teacher in the Brioude School, 1915-16; French Graduate Scholar, Bryn Mawr College, 1917-18.

MARION MARSH TORREY, A.M., *Teacher of Mathematics.*

A.B., The Women's College in Brown University, 1916, and A.M., 1917. Teacher of Mathematics, St. Johnsbury Academy, St. Johnsbury, Vt., 1917-18.

ELIZABETH BABCOCK, A.M., *Teacher of Science.*

A.B., Leland Stanford, Jr. University, 1895, and A.M., 1896. Teacher of Science in the Hamlin School for Girls, San Francisco, Calif., 1896-97, in the High School, Azusa, Calif., 1897-98, in the High School, San Diego, Calif., 1898-1901, in the High School, Fresno, Calif., 1901-06; Work in Nature Study in the Schools in San Diego, 1908-11.

LYDIA K. ADAMS, A.B., *Teacher of English.*

A.B., University of Pennsylvania, 1916. Teacher of English in Miss Marshall's School, Oak Lane, Philadelphia, 1916-17, and in the High School, Belleville, N. J., 1917-18.

LILIAN HAYDEN HIESTON, PH.B., *Teacher of French.†*

Ph.B., Boston University, 1889. Summer School, Harvard University, 1893, Columbia University, 1915, 1916; Simmons College, 1917; Student, The Sorbonne, 1907-10.

* To February 14, 1919.

† From February 17, 1919.

Teacher of French and Mathematics in the Harvard Preparatory School, Boston, Mass., 1890-93, and Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1893-96.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurhythmics (Singing, Dancing)*.

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany, and only authorized Director of the Dalcroze System in the United States.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games*.

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906. Director of Gymnastics and Athletics, Bryn Mawr College.

ADA HART ARLITT, Ph.D., *Educational Psychology*.

A.B., H. Sophie Newcomb Memorial College, Tulane University, 1913; Ph.D., University of Chicago, 1917; Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14, and Fellow in Psychology, University of Chicago, 1914-16; Associate in Educational Psychology, Bryn Mawr College.

MARION HAGUE REA, M.D., *Physician of the School*.

A.B., Vassar College, 1909; M.D., Woman's Medical College of Pennsylvania, 1915. Intern, Philadelphia General Hospital, 1915-16; Assistant Physician, Boston Psychopathic Hospital, 1916-17; Assistant Visiting Chief, Medical Service, Philadelphia General Hospital and Assistant in Medicine, Woman's Medical College of Pennsylvania, 1918-19. Assistant Resident Physician, Bryn Mawr College.

HELEN MURPHY, M.D., *Examining Oculist*.

M.D., Woman's Medical College of Pennsylvania, 1893. Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97; Examining Oculist of Bryn Mawr College.

The Academic Committee of the Alumnae.

FRANCES BROWNE, A.B. (*Chairman*), 15 East Tenth Street, NEW YORK CITY.

LOUISE BUFFUM CONGDON, A.B. (Mrs. Richard Standish Francis) (*ex officio*), Haverford Road, BRYN MAWR, PA.

ESTHER LOWENTHAL, Ph.D., 10 West Street, NORTHAMPTON, MASS.

ELEANOR LOUIE FLEISHER, A.B. (Mrs. David Riesman), 1715 Spruce Street, PHILADELPHIA.

JANET TUCKER HOWELL CLARK, Ph.D. (Mrs. Admont Halsey Clark), 232 West Lanvale Street, BALTIMORE, MD.

MARY BIDWELL BREED, Ph.D. 5317 Westminster Street, PITTSBURGH, PA.

HELEN ESTABROOK SANDISON, Ph.D., Vassar College, POUGHKEEPSIE, N. Y.

MARION DELIA CRANE CARROLL, A.M. (Mrs. Charles A. Carroll), 315 West 97th Street, NEW YORK CITY,

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

NEW YORK CITY: MRS. LEARNED HAND, 142 East 65th Street.

BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 Cathedral Street.

PITTSBURGH, PA.: MRS. ALEXANDER JOHNSTON BARRON, *Glen Osborne, Pa.*

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*

NEW HAVEN, CONN.: MRS. CHARLES MCLEAN ANDREWS, *424 St. Ronan Street.*

FARMINGTON, CONN.: MRS. HERBERT KNOX SMITH.

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, *32 Woodland Road, Jamaica Plain, Mass.*

FALL RIVER, MASS.: MRS. RANDALL NELSON DURFEE, *19 Highland Avenue.*

CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, *Hubbard Woods, Ill.*

INDIANAPOLIS, IND.: MRS. FRANK NICHOLAS LEWIS, *42 East 32nd Street.*

MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, *633 Francis Street.*

MINNEAPOLIS, MINN.: MRS. HAROLD OLNEY HUNT, *2221 Humboldt Avenue, South.*

ST. LOUIS, MO.: MRS. GEORGE GELLHORN, *4366 McPherson Avenue.*

PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, *Inwood, Hewett Boulevard, Hillsdale.*

LOS ANGELES, CALIF.: MISS ELIZABETH DANA MARBLE, *421 West Adams Street.*

SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, *177 13th East Street.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *11 St. Leonard's Terrace, Chelsea, London.*

STUDENTS.

Fellows, Scholars, and Graduate Students for the Year 1918-19.

- MARGARET CATHERINE TIMPSON,**
*Bryn Mawr European Fellow and Shippen Foreign Scholar.**
 New York City. Maria L. Eastman Brooke Hall Memorial Scholar, 1917-18. A.B., Bryn Mawr College, 1918.
- ISABEL F. SMITH,**.....*President M. Carey Thomas European Fellow.**
 Los Angeles, Cal. A.B., Bryn Mawr College, 1915. Teacher in Miss Wheeler's School, Providence, R. I., 1915-17; Graduate Scholar in Geology, Bryn Mawr College, 1917-18.
- EVA ALICE WORRALL BRYNE,**.....*Mary E. Garrett European Fellow.**
 Philadelphia. A.B., Bryn Mawr College, 1916, and A.M., 1917. Graduate Scholar in Latin, Bryn Mawr College, 1916-17; Graduate Scholar in English and Reader in English, 1917-19.
- OLGA MARX,**.....*Anna Ottendorfer Memorial Research Fellow.**
 New York City. A.B., Barnard College, 1915, and A.M., Columbia University, 1917. Graduate Student, Columbia University, 1916-17; Fellow in German, Bryn Mawr College, 1917-18.
- HELEN ADAIR,**.....*Fellow in Economics and Politics.*
 Kearney, Neb. A.B., Barnard College, 1914, and A.M., Columbia University, 1916. Fellow in Economics and Politics, 1917-18.
- GEORGIA LOUISE BAXTER,**
Carola Woerishoffer Fellow in Social Economy and Social Research.
 Berkeley, Calif. A.B., University of Denver, 1914; A.M., University of California, 1917. Matron, Colorado State Industrial School for Girls, 1914-15; Work in Juvenile Court in San Francisco and with State Industrial Welfare Industrial Accident Commission, 1915-17; Carola Woerishoffer Fellow in Social Economy and Social Research, Bryn Mawr College, 1917-18.
- MARGARET BUCHANAN,**.....*Fellow in Mathematics.*
 Morgantown, W. Va. A.B., University of West Virginia, 1906. Graduate Student, University of West Virginia, 1907. Teacher of Mathematics, Marshall College, Huntington, W. Va., 1906-07; Assistant in Greek and Mathematics, University of West Virginia, 1908-09, and Instructor in Mathematics, 1910-12, 1915-18; Graduate Student in Mathematics, Bryn Mawr College, 1912-13; Teacher of Mathematics, Baldwin School, Bryn Mawr, 1913-14; and in the High School, Parkersburg, W. Va., 1914-15.
- LEAH HANNAH FEDER,**
Carola Woerishoffer Fellow in Social Economy and Research.
 Passaic, N. J. A.B., Mount Holyoke College, 1917. Graduate Scholar in Social Economy and Social Research, Bryn Mawr College, 1917-18.
- MARY DRUSILLA FLATHER,**.....*Fellow in Biology.*
 Lowell, Mass. Ph.B., Women's College in Brown University, 1917. Laboratory Assistant in Comparative Anatomy, Brown University, 1916-17. Graduate Student in Biology, Bryn Mawr College, 1917-18.
- LEONA CHRISTINE GABEL,**.....*Fellow in History.*
 Syracuse, N. Y. A.B., Syracuse University, 1915. Columbia University, Summer session, 1916. Teacher in the High School, Canastota, N. Y., 1915-17. Graduate Scholar in History, Bryn Mawr College, 1917-18.
- GRACE ETHEL HAWK,**.....*Fellow in English.*
 Reading, Pa. A.B., Brown University, 1917, and holder of the Annie Crosby Emery Scholarship of Brown University, 1917-18. Graduate Scholar in English, Bryn Mawr College, 1917-18.

* Holding of Fellowship deferred on account of war conditions.

- MARGARET GEORGIANA MELVIN,.....*Fellow in Philosophy.*
New Brunswick, Canada. A.B., Royal Victoria College, McGill University, with honours in English and Philosophy, 1917. Graduate Scholar in Philosophy, Bryn Mawr College, 1917-18.
- MARJORIE JOSEPHINE MILNE,.....*Fellow in Greek.*
Duluth, Minn. A.B., Bryn Mawr College, 1917, and A.M., 1918. Graduate Scholar in Greek, Bryn Mawr College, 1917-18.
- MARGARET MONTAGUE MONROE,.....*Fellow in Psychology.*
Asheville, N. C. Barnard College, Columbia University, 1911-13. A.B., Mount Holyoke College, 1915. Teacher of French, Commercial High School, Atlanta, Ga., 1915-16; Scholar in French, Bryn Mawr College, 1916-17; Teacher of Mathematics in Smead School, Toledo, Ohio, 1917-18.
- INEZ MAY NETERER,.....*Fellow in Education.*
Seattle, Wash. A.B., Mills College, 1916. Graduate Scholar in Social Economy and Social Research, Bryn Mawr College, 1916-17. Social Service Fellow of A. C. A. and Graduate Student, Bryn Mawr College, 1917-18.
- HELEN ELIZABETH PATCH,.....*Fellow in French.*
Bangor, Maine. A.B., Mount Holyoke College, 1914. Teacher in the East Maine Conference Seminary, 1914-16, and in the High School Bangor, 1916-17. Graduate Scholar in Romance Languages, Bryn Mawr College, 1917-18.
- ISABEL F. SMITH,.....*Fellow in Geology.*
Los Angeles, Cal. A.B., Bryn Mawr College, 1915. Teacher in Miss Wheeler's School, Providence, R. I., 1915-17. Graduate Scholar in Geology, Bryn Mawr College, 1917-18.
- ELISE TOBIN,.....*Fellow in Chemistry.*
Brooklyn, N. Y. B.S., Barnard College, 1915. Graduate Scholar in Chemistry, Bryn Mawr College, 1915-17, and Fellow in Chemistry, 1917-18.
- CLARA ELIZABETH YNTEMA,.....*Fellow in Latin.*
Holland, Mich. A.B., Hope College, 1916; A.M., University of Michigan, 1918. Teacher of Latin and German, The High School, Cass City, Mich., 1916-17.
- GRACE JOHNSTONE DEDMAN,.....*British Graduate Scholar.*
Whauphill, Scotland. Edinburgh Provincial Training Centre for Teachers, 1912-14. M.A., with honours in English, University of Edinburgh, 1918.
- HELEN ISABELLA WILKIE,.....*British Graduate Scholar.*
Edinburgh, Scotland. M.A., with honours in English, University of Edinburgh, 1918.
- DENISE EMILIE LEREDDE,.....*French Graduate Scholar.*
Paris, France. Certificat d'aptitude à l'enseignement des lettres, 1918. Student in Lycée Fénelon, 1913-15; Student in Collège Sévigné, 1915-18. Teacher of Geography and History, Collège Sévigné, 1917-18.
- LUCIE DÉSIRÉE MABILLE,.....*French Graduate Scholar.*
Paris, France. Certificat d'aptitude Pédagogique et Certificat de fin d'études normales, 1908; Professorat des écoles normales, 1911; Certificat Primaire d'Anglais, 1917. Student, University of Paris, 1909-18. Teacher of Literature in Ecole Supérieure Sophie Germain, Paris, 1914-18.
- MARTHE STURM,.....*French Graduate Scholar.*
Paris, France. Licence de Philosophie, 1918; Student in the Sorbonne, 1916-18.
- MARTHE JEANNE TROTAIN,.....*French Graduate Scholar.*
Paris, France. Certificat d'aptitude à l'enseignement d'Anglais dans les Lycées et Collèges, 1918. Student in the Sorbonne, 1916-18. Teacher in Schools in England, 1913-14, 1915-16.
- BEATRICE ALLARD,.....*Fellow by Courtesy and Scholar in Semitic Languages.*
Boston, Mass. A.B., Mount Holyoke College, 1915. Graduate Scholar in Semitic Languages and Biblical Literature, Bryn Mawr College, 1915-16, and Fellow in Semitic Languages, 1916-18.
- MARY RUTH ALMACK,.....*Fellow by Courtesy in Psychology.*
Coshocton, O. A.B., Ohio State University, 1915, and A.M., 1916. Fellow in Psychology, Bryn Mawr College, 1916-18, and Assistant Demonstrator in Experimental Psychology, 1918-19.

- LUCILE BABCOCK,.....*Scholar in French.*
Minneapolis, Minn. A.B., University of Minnesota, 1915. Teacher of French and Spanish, Des Moines, Ia., 1915-17.
- ANNA MARTHA BOOTH,.....*English.*
Philadelphia. A.B., Bryn Mawr College, 1918.
- THERESE MATHILDE BORN,.....*Scholar in English.*
Indianapolis, Ind. A.B., Bryn Mawr College, 1918.
- HELEN GRAHAM BRISTOW,.....*Scholar in Economics and Politics.*
Brooklyn, N. Y. A.B., Mount Holyoke College, 1918.
- EVA ALICE WORRALL BRYNE,.....*Scholar in English.*
Philadelphia. A.B., Bryn Mawr College, 1916, and A.M., 1917. Graduate Scholar in Latin, Bryn Mawr College, 1916-17. Reader in English, and Graduate Scholar in English, 1917-19; Mary E. Garrett European Fellow (elect).
- DOROTHY THERESA BUCKLEY,.....*Scholar in Psychology.*
Sioux City, Ia. A.B., University of Michigan, 1918.
- ELEANOR COPENHAVER, . . .*Scholar in Social Economy and Social Research.*
Marion, Va. A.B., Richmond College, Va., 1917. Teacher of Science, The High School, Marion, Va., 1917-18.
- JANE STODDER DAVIES, . . .*Robert G. Valentine Scholar in Social Economy.*
Tuft's College, Mass. A.B., Jackson College, Tuft's College, 1918.
- ESTHER PARKER ELLINGER,.....*English.*
A.B., Goucher College, 1915; Ph.D., University of Pennsylvania, 1918. Instructor in English Composition, Bryn Mawr College, 1918-19.
- HELEN FRANCES GOLDSTEIN,.....*Scholar in Chemistry.*
New York City. B.S., Barnard College, 1918.
- WINIFRED GOODALL,
Margaret Kingsland Haskell Scholar in English Composition.
Cincinnati, O. A.B., Bryn Mawr College, 1914; A.M., Columbia University, 1917. Teacher of English and History in Miss Kendrick's School, Cincinnati, 1915-16; Margaret Kingsland Haskell Scholar in English Composition, 1917-18.
- MARY JANE GUTHRIE,.....*Honorary Scholar in Biology.*
Columbia, Mo. A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoology, University of Missouri, 1916-18; Assistant Demonstrator in Biology, Bryn Mawr College, 1918-19.
- MARION REBECCA HALLE,.....*English.*
Cleveland, O. A.B., Bryn Mawr College, 1917, and A.M., 1918. Graduate Student in English, 1917-18.
- HELEN IRENE HANNA,.....*Penn College Scholar.*
Lacey, Iowa. A.B., Penn College, 1918.
- ISTAR ALIDA HAUPT,.....*Psychology.*
Roland Park, Md. A.B., Bryn Mawr College, 1917, and A.M., 1918. Graduate Scholar in Psychology, Bryn Mawr College, 1917-18, and Assistant Demonstrator in Applied Psychology, 1918-19.
- ELIZABETH HAYS,.....*Scholar in Social Economy and Social Research.*
St. Louis, Mo. A.B., Smith College, 1909. Teacher in the Mary Institute, St. Louis, 1914-18.
- JUDITH MARTHA BASSETT HEMENWAY,.....*Scholar in French.*
Windsor, Vt. A.B., Bryn Mawr College, 1918.
- HOPE HIBBARD,.....*Honorary Scholar in Biology.*
Columbia, Mo. A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoology, University of Missouri, 1915-18. Assistant Demonstrator in Biology, Bryn Mawr College, 1918-19.
- HARRIET HOBBS,.....*Chemistry.*
New York City. A.B., Bryn Mawr College, 1918. Demonstrator in Chemistry and Manager of Dalton Hall, 1918-19.

- MARGARET HUDSON,.....*French.*
Philadelphia. A.B., Bryn Mawr College, 1909. Head of Department of French in the New Jersey Normal School, Trenton, N. J., 1910-15; Teacher of Latin and French in the West Philadelphia High School for Girls, 1915-19; Graduate Student in French, Bryn Mawr College, 1912-13.
- GWENDOLYN HUGHES,
Susan B. Anthony Scholar in Social Economy and Social Research.
Norfolk, Neb. A.B., University of Nebraska, 1916, and A.M., 1917. Scholar in Sociology, University of Nebraska, 1916-17, and Fellow, 1917-18. Assistant, Child Welfare Department, Lincoln Public Schools, 1917-18.
- IRMA CAROLINE LONEGREN,.....*Special Scholar in Social Economy.*
Portland, Ore. A.B., Reed College, 1915. Probation Officer and Statistician, Juvenile Court, Portland, 1915-18.
- ADELINA LONGAKER,.....*Economics and Politics.*
East Aurora, N. Y. A.B., Barnard College, 1918. Stenographer, 1917, 1918-19.
- AMELIA KELLOGG MACMASTER,
Bryn Mawr Intercollegiate Community Service Association Joint Fellow.
Elizabeth, N. J. A.B., Bryn Mawr College, February 1917, and A.M., 1918. Graduate Scholar in Philosophy and Special Scholar, second semester, 1916-17 and 1917-18.
- OLGA MARX,.....*German.*
New York City. A.B., Barnard College, 1915, and A.M., Columbia University, 1917. Graduate Student, Columbia University, 1916-17; Fellow in German, Bryn Mawr College, 1917-18.
- BEATRICE MCGEORGE,.....*Education.*
Cynwyd, Pa. A.B., Bryn Mawr College, 1901. Teacher of English and French in Miss Keyser's School, Philadelphia, 1902-03, and in the Agnes Irwin School, Philadelphia, 1918-19; Graduate Student, Bryn Mawr College, 1902-03, and Tutor in French, 1918-19.
- KATHARINE WOLCOTT MCGIFFERT,.....*English.*
New York City. A.B., Barnard College, 1916. Teacher in Union School of Religion, 1916-18; Warden of Denbigh Hall, Bryn Mawr College, 1918-19.
- NORA MAY MOHLER,.....*Physics.*
Carlisle, Pa. A.B., Dickinson College, 1917. Graduate Scholar in Mathematics, Bryn Mawr College, 1917-18, and Demonstrator in Physics, 1918-19.
- EMILY LUCILE MOORE,.....*Biology.*
Baltimore, Md. A.B., Goucher College, 1918.
- CORA SNOWDEN NEELY,.....*Scholar in Latin.*
Philadelphia. A.B., Bryn Mawr College, 1918.
- GRACE WANDELL NELSON,.....*Scholar in Archæology.*
Philadelphia. A.B., Wellesley College, 1917. Graduate Student, Wellesley College, 1917-18.
- HELEN MCGREGOR NOYES,.....*English.*
A.B., Radcliffe College, 1915. Instructor in English Composition, Bryn Mawr College, 1917-19.
- ALICE RUTH PARKER,.....*Archæology.*
West Barrington, R. I. A.B., Mount Holyoke College, 1913, and A.M., 1915. Reader of Latin, Mount Holyoke College, 1913-15; Teacher of Latin in the High School, Hudson, N. Y., 1915-17, in the High School, Cortland, N. Y., 1917-18, and in the Phebe Anna Thorne Model School, Bryn Mawr College, 1918-19.
- DOROTHY AUSTIN SEWELL,.....*Scholar in Biology.*
Walton, N. Y. A.B., Smith College, 1916. Cornell University, 1916-17. Fellow in Biology, Bryn Mawr College, 1917-18.
- EDITH MARION SMITH,.....*Scholar in Greek.*
Pittsburgh, Pa. A.B., Bryn Mawr College, 1918.
- CONSTANCE LYNCH SPRINGER,.....*Scholar in Biology.*
Carlisle, Pa. A.B., Dickinson College, 1918.

MARGARETTA PRICE STEVENSON, *Social Economy and Social Research*.
Leavenworth, Kan. A.B., University of Kansas, 1918.

INGEBORG HANNAH SUNDSTROM, *Social Economy and Social Research*.
Lindsborg, Kan. A.B., Bethany College, 1913, and A.M., University of Kansas, 1914.
Teacher in the High School, Anthony, Kansas, 1914-15, and Kansas City, Mo., 1915-18.

MARIAN MARSH TORREY, *Mathematics*.
Providence, R. I. A.B., Brown University, 1916, and A.M., 1917. Teacher of Mathematics in St. Johnsbury Academy, St. Johnsbury, Vt., 1917-18, and in the Phebe Anna Thorne Model School, Bryn Mawr College, 1918-19.

BIRD MARGARET TURNER, *Mathematics*.
Moundsville, W. Va. A.B., West Virginia University, 1915, and A.M., 1916. Student Assistant in Mathematics, University of West Virginia, 1913-15; Graduate Student in Mathematics, University of West Virginia, 1914-15; and Assistant in the Summer School, 1915 and 1916; Principal of the High School, Moundsville, 1915-16; Graduate Scholar in Mathematics, Bryn Mawr College, 1916-17; Assistant Director of the Phebe Anna Thorne Model School, 1917-18; President's European Fellow (elect), and Reader in Mathematics, Bryn Mawr College, 1918-19.

ADELINE WERNER VORYS, * *English, History and International Law*.
Columbus, O. A.B., Bryn Mawr College, 1916. Warden of Rockefeller Hall, 1918-19.

AMEY EATON WATSON, † *Social Economy and Social Research*.
Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910. Teacher in Miss Wheeler's School, Providence, R. I., 1907-08; Instructor in the Department of Social Science, University of Utah, 1912.

LOUISE WATSON, *History*.
A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14; Business Manager, Bryn Mawr College, 1914-19.

LETITIA BUTLER WINDLE, *History and International Law*.
West Chester, Pa. A.B., Bryn Mawr College, 1907. Secretary and Teacher of Mathematics, Wykeham Rise School, Washington, Conn., 1907-08; Assistant Agent, Federated Charities of Baltimore, 1908-09; Teacher of Mathematics in the Stevens School, Germantown, 1909-15, and in the Gordon-Roney School, Philadelphia, 1915-16. Warden of Radnor Hall, 1917-19.

MABEL PAULINE WOLFF, *History*.
Myerstown, Pa. A.B., Barnard College, 1905; A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06; Allentown College for Women, 1906-07; Paulsboro High School, Paulsboro, N. J., 1907-11; Washington Seminary, Washington, Pa., 1911-14, Leominster High School, Leominster, Mass., 1915-16; Teacher in the Phebe Anna Thorne Model School, Bryn Mawr College, 1916-19.

MARGARET WOODBURY, *Scholar in History*.
Columbus, O. A.B., Ohio State University, 1915. Graduate Scholar in History, Bryn Mawr College, 1915-16, and Fellow in History, 1916-18.

GRADUATE STUDENTS IN INDUSTRIAL SERVICE COURSE.

First Unit, June, 1918, to January, 1919. Second Unit, October, 1918, to June, 1919. Third Unit, February, 1919, to October, 1919.

KATHARINE RAYNOLDS BELL, *First Unit*.
Ithaca, N. Y. A.B., Cornell University, 1917. Graduate Student, Bryn Mawr College, 1917-18.

MARION GRISWOLD BOALT, *First Unit*.
Norwalk, O. A.B., Lake Erie College, 1904. Graduate Student, Teacher's College, Columbia University, 1914-15, University of Chicago, summer quarter, 1917. Professor of History of Art, Wells College, 1905-11, Mills College, 1911-18; Instructor in House Planning, Mills College, 1911-18.

* Mrs. Webb I. Vorys.

† Mrs. Frank D. Watson.

- MARIE LOUISE BORNGESSER,.....*Third Unit.*
Philadelphia. B.S., in Education, University of Pennsylvania, 1918.
- GEORGIANA BUNTON,.....*First Unit.*
Rover, Mo. A.B., Northwestern University, 1910. Teacher of Public Speaking, Glenwood, Ia., 1914-16, Waterloo, Ia., 1916-18.
- ALPHA BEATRICE BUSE,.....*Second Unit.*
Polson, Mont. B. S., University of Montana, 1916.
- HELEN ADELIA COOK,.....*Second Unit.*
Wyalusing, Pa. A.B., Mount Holyoke College, 1910. Teacher of English in the High School, Wenatchee, Wash., 1914-18.
- EMMA GRETCHEN CORSTVET,.....*Second Unit.*
Milwaukee, Wis. A.B., University of Wisconsin, 1918.
- HELEN ROWENA DAVIDSON,.....*Second Unit.*
North Bend, Ore. A.B., University of Idaho, 1918. Teacher of Mathematics and German, The High School, Reubens, Ore., 1915-16.
- MARY DINSMORE,.....*First Unit.*
Marysville, Calif. B. L. Mills College, 1916. Law Student and Clerk, 1915-17; County Woman Food Director, 1918; County Head of Women's War Drives, 1917-18.
- ESTELLE S. FRANKFURTER,.....*Third Unit.*
Cambridge, Mass. A.B., Radcliffe College, 1918.
- HARRIET LAURA HERRING,.....*First Unit.*
Kingston, N. C. A.B., Meredith College, 1913; A.M., Radcliffe College, 1918. Teacher of History in the High School, Scotland Neck, N. C., 1914-15, and in the Chowon Institute, Murfreesboro, N. C., 1915-17.
- CAROLYN MATILDA KRANZ,.....*Third Unit.*
Hendersonville, Tenn. A.B., George Peabody College for Teachers, 1911. Teacher of Languages in the Central High School, Gallatin, Tenn., 1914-18.
- MABEL MAY KROH,.....*Third Unit.*
Moscow, Idaho. A.B., University of Idaho, 1912. Graduate Student, University of Idaho, 1917-18. Teacher in grade schools in Idaho, 1912-15, 1916-17.
- NAOMI LIGHT,.....*First Unit.*
Lawrence, Kan. A.B., University of Kansas, 1914, and A.M., 1915. Teacher of English in the High School, Osawatomie, Kan., 1915-17, and in the High School, Atchison, Kan., 1917-18.
- FLORENCE REYNOLDS MASON,.....*Third Unit.*
Elmira, N. Y. A.B., Elmira College, 1918.
- CATHERINE MCCAUSLAND,.....*Third Unit.*
Cambridge, Mass. A.B., Mount Holyoke College, 1918.
- DOROTHY ELEANOR McDOWELL,.....*Third Unit.*
Philadelphia. A.B., Mount Holyoke College, 1918.
- BERTHA MOREHOUSE,.....*Third Unit.*
Delaware, O. A.B., Ohio Wesleyan University, 1914. Teacher in the Government Schools, Porto Rico, 1912-13, and in the High School, Union Township, O., 1914-16; Brown Township, O., 1916-17; Franklin, O., 1917-18.
- ESTELLE NISSON,.....*Second Unit.*
Santa Ana, Calif. A.B., Leland Stanford, Jr., University, 1918.
- HELEN SCHUYLER OPP,.....*First Unit.*
Plymouth, Pa. A.B., Goucher College, 1909. Student, University of Pennsylvania, 1914-17. Teacher of Mathematics and German in the High School, Kingston, Pa., 1910-12, and in the High School, Lewistown, Pa., 1912-13; Teacher of Mathematics in the West Philadelphia High School for Girls, 1913-18.
- JEANNETTE CAROLYN OWENS,.....*First Unit.*
Lewisburg, Pa. B.B.S., Bucknell University, 1917. Teacher of Science in the High School, Stroudsburg, Pa., 1917-18.

- LAURA BELL PADDOCK,.....*Second Unit.*
Minneapolis, Minn. A.B., University of Minnesota, 1910. Teacher of English in the High School, Mora, Minn., 1910-13; Principal of the High School, Delano, Minn., 1913-18.
- ELINOR PANCOAST,.....*Second Unit.*
Big Spring, Tex. University of Texas, 1911-13. Ph.B., University of Chicago, 1917. Teacher of Latin and History, in the High School, Henrietta, Tex., 1913-16; Teacher of Latin, in the High School, Wichita Falls, Tex., 1917-18.
- MARY SCHAUFFLER,.....*Third Unit.*
New Philadelphia, O. A.B., Western Reserve University, 1910. Teacher in the High School, New Philadelphia, 1910-19.
- EVELYN STADLER,.....*Third Unit.*
St. Louis, Mo. B.S., Missouri State University, 1907. Teacher in Grade Schools, St. Louis, 1915-16.
- KATHARINE BEATRICE STELLE,.....*Second Unit.*
Upland, Pa. A.B., Mount Holyoke College, 1918.
- HALLIE ULA STILES,.....*Second Unit.*
Detroit, Mich. A.B., Albion College, Albion, Mich., 1916. Stenographer and Assistant Bookkeeper, 1908-12; Secretary, Y. W. C. A., Detroit, Mich., 1916-18.
- LILLIAN LASER STRAUSS,*.....*Third Unit.*
Philadelphia. A.B., Bryn Mawr College, 1909. Head of the Modern Language Department, in the High School, Hot Springs, Ark., 1910-12; Worker in Bureau of Municipal Research, New York City, 1912-13; Volunteer Social Worker, 1916-19.
- JEANNETTE WHITE,.....*Third Unit.*
Oklahoma City, Oklahoma. A.B., University of Missouri, 1917.
- MARGARET THOMPSON WELLS WOOD,†.....*Second Unit.*
Summit, N. J. A.B., Mount Holyoke College, 1906. Teacher of Mathematics for College Entrance, Ellsworth College, Iowa Falls, Ga., 1906-08; Teacher in Gilbert School, Winsted, Conn., 1908-11; Vice-Principal of the High School, Derby, Conn., 1913-18.

Undergraduate Students, Academic Year, 1918-19.

- ALDRICH, SUZANNE KATHERINE,.....*Group, ———, 1918-19.*
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- ALLEN, DOROTHY BLAIR,.....*Group, French and Spanish, 1916-19.*
Montclair, N. J. Prepared by the Kimberley School, Montclair, N. J.
- ALLISON, FRANCES EKin, . . .*Group, English, Italian and Spanish, 1915-19.*
St. Louis, Mo. Prepared by the Mary Institute, St. Louis.
- ANDERSON, EMILY TREMAINE,.....*Group, ———, 1918-19.*
New York City. Prepared by the Brearley School, New York City.
- ANDERTON, VIRGINIA WALLIS, . . .*Group Latin and Ancient History, 1914-19.*
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the Misses Kirk's School, Bryn Mawr, Pa.
- ARCHBALD, MARGARETTA THOMPSON, . . .*Group, French and ———, 1917-19.*
Pottsville, Pa. Prepared by the High School, Pottsville, and by the Shipley School, Bryn Mawr, Pa.
- ARNOLD, ISABEL HART,
Group, Greek and Philosophy and Psychology, 1916-19.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by the Misses May's School, Boston, Mass. New England States Matriculation Scholar, 1916-17.

* Mrs. Berthold Strauss.

† Mrs. Margaret Wells Wood.

- BAILEY, GEORGIA REILY,
Group, Modern History and History of Art, 1915-19.
 Harrisburg, Pa. Prepared by the Seiler School, Harrisburg, and by St. Timothy's School, Catonsville, Pa.
- BAIRD, CORNELIA MARCIA,
Group, Economics and Politics and ———, 1918-19.
 Yonkers, N. Y. Prepared by the Brearley School, New York City.
- BALDWIN, HENRIETTA ELIZABETH,
Group, Economics and Politics and ———, 1917-19.
 Williamsport, Pa. Prepared by the High School, Williamsport, and by the Misses Kirk's School, Bryn Mawr, Pa. Maria Hopper Sophomore Scholar, 1918-19.
- BALDWIN, MARY, *Group, Spanish and ———, 1917-19.*
 Garden City, N. Y. Prepared by the Brearley School, New York City.
- BALLOU, MARGARET HOWLAND, *Group, Latin and English, 1916-19.*
 Marblehead, Mass. Prepared by Miss Howe's School, Salem, Mass., by the Salem High School, by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- BARON, SADIE MURIEL, *Group, ———, 1918-19.*
 Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Merion High School Scholar, 1918-19.
- BARTON, CATHERINE, *Group, French and Spanish, 1917-19.*
 Omaha, Neb. Prepared by the Mary C. Wheeler School, Providence, R. I., and by private tuition.
- BATCHELDER, URSULA CHASE, *Group, ———, 1918-19.*
 Faribault, Minn. Prepared by St. Mary's Hall, Faribault.
- BEATTY, FREDERIKA, *Group, English and Psychology, 1915-19.*
 Athens, Ga. Prepared by the Lucy Cobb Institute, Athens.
- BECKWITH, LYDIA LOVE, *Group, Philosophy and ———, 1917-19.*
 Chicago, Ill. Prepared by the Girls' Latin School, Chicago, and by Rosemary Hall, Greenwich, Conn.
- BELVILLE, SYDNEY OTT,
Group, Latin and Classical Archæology, 1914-15, 1916-19.
 Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- BENNETT, ELEANOR CUSTIS, *Group, ———, 1918-19.*
 Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- BENNETT, HELEN ADELAIDE, *Group, French and Spanish, 1917-19.*
 Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by the Pennsylvania College for Women, Pittsburgh. Pittsburgh Bryn Mawr Club Scholar, 1917-18.
- BETTMAN, MARIAN ROSE, *Group, Psychology and Biology, 1915-19.*
 Cincinnati, O. Prepared by the University School, Cincinnati.
- BICKLEY, CATHERINE ELIZABETH, *Group, Economics and ———, 1917-19.*
 Philadelphia. Prepared by the Shipley School, Bryn Mawr, Pa.
- BIDDLE, ELIZABETH R.,
Group, Economics and Politics and Philosophy and Psychology, 1915-19.
 Wallingford, Pa. Prepared by the Friends' Select School, Philadelphia, and by the Westtown Boarding School, Westtown, Pa.
- BILLSTEIN, FLORENCE WARRINGTON, *Group, Physics and Biology, 1917-19.*
 Riderwood, Md. Prepared by the Bryn Mawr School, Baltimore, and by private tuition.
- BLISS, ELEANOR ALBERT, *Group, Chemistry and Biology, 1917-19.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BLISS, FRANCES McDOWELL, *Group, ———, 1918-19.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

- BLUE, AUGUSTA LYELL, *Group, Mathematics and Physics*, 1915-19.
Charlottesville, Va. Prepared by St. Anne's School, Charlottesville, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BOLAND, ELIZABETH COLE, *Group, ———*, 1917-19.
Binghamton, N. Y. Prepared by Rosemary Hall, Greenwich, Conn., and by private tuition.
- BOLTON, CECILE BALDWIN, *Group, English and ———*, 1917-19.
Charlottesville, Va. Prepared by St. Anne's School, Charlottesville.
- BOSWELL, ELEANORE, *Group, Greek and English*, 1917-19.
Philadelphia. Prepared by the High School, Germantown, and by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1917-19.
- BOYNTON, ZELLA DETMOULD,
Group, Modern History and Economics and Politics, 1916-19.
New York City. Prepared by the Latin School, Chicago, Ill., and by the Brearley School, New York City.
- BRACE, ELIZABETH, *Group, Physics and Chemistry*, 1916-19.
New York City. Prepared by the Misses Masters's School, Dobbs Ferry, N. Y., and by the Brearley School, New York City.
- BROMELL, BEATRICE BRUNSWICK, *Group, English and ———*, 1916-19.
Brooklyn, N. Y. Prepared by the Girls' High School, Brooklyn, and by private tuition.
- BROOMFIELD, MABEL MAY,
Group, Modern History and Economics and Politics, 1915-19.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia City Scholar, 1915-19.
- BROWN, ETHEL BLAKE, *Group, ———*, 1918-19.
New York City. Prepared by Miss Chapin's School, New York City.
- BROWN, JANE LOGAN, *Group, ———*, 1917-19.
Springfield, Ill. Prepared by the High School, Springfield, by Rosemary Hall, Greenwich, Conn., and by private tuition.
- BROWN, MADELAINE RAY, *Group, Psychology and ———*, 1916-19.
Providence, R. I. Prepared by the Lincoln School, Providence.
- BROWN, MIRIAM BURKLOE, *Group, Psychology and Biology*, 1916-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Mary Anna Longstreth Memorial Scholar, 1916-17; Special Scholar, 1917-18.
- BRUSH, ELEANOR PEABODY, *Group, English and French*, 1918-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BUMGARNER, MADELINE McCLEES, *Group, ———*, 1918-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1918-19.
- BUMM, ESTHER-LOUISE, *Group, ———*, 1918-19.
Philadelphia. Prepared by the Stevens School, Germantown, and by Miss Hills' School, Philadelphia.
- BURGES, JANE RUST, *Group, ———*, 1918-19.
El Paso, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- BURNS, EMILY LONGFELLOW, *Group, French and ———*, 1918-19.
Brookline, Mass. Prepared by the Winsor School, Brookline.
- BUTLER, MARGARET ELISABETH,
Group, Economics and Politics and Psychology, 1915-19.
St. Paul, Minn. Prepared by the Visitation Convent, St. Paul, and by Mrs. Backus's School for Girls, St. Paul.
- BUTTENWIESER, HILDA, *Group, Greek and ———*, 1916-19.
Cincinnati, O. Prepared by the University School, Cincinnati. Special Scholar, 1918-19.

- CADOT, LOUISE FONTAINE,
Group, Economics and Politics and Psychology, 1917-19.
 Richmond, Va. Prepared by the Virginia Randolph Ellett School, Richmond. Special Scholar, 1918-19.
- CAMERON, CONSTANCE GUYOT, *Group, French and ———, 1918-19.*
 Princeton, N. J. Prepared by Miss Fine's School, Princeton. Frances Marion Simpson Scholar, 1918-19.
- CANBY, MARJORIE WISTAR, . . *Group, French and Modern History, 1916-19.*
 Philadelphia. Prepared by the Friends' Preparative Meeting School, Germantown.
- CAREY, MARGARET MILLICENT, *Group, Greek and English, 1916-19.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Pennsylvania and Southern States Matriculation Scholar and Bryn Mawr School Scholar, 1916-17.
- CARY, MARY KATHARINE, *Group, Chemistry and Biology, 1916-19.*
 Richmond, Va. Prepared by The Virginia Randolph Ellett School, Richmond. Special Scholar, 1918-19.
- CAULDWELL, KATHARINE, *Group, Physics and Biology, 1916-19.*
 New York City. Prepared by Miss Ethel Walker's School, Lakewood, N. J.
- CECIL, ELIZABETH BARNETT, *Group, ———, 1917-19.*
 Richmond, Va. Prepared by the Virginia Randolph Ellett School, Richmond.
- CHADBOURNE, EMILY ROXANA, . . *Group, Mathematics and Physics, 1915-19.*
 Waban, Mass. Prepared by the Brimmer School, Boston, Mass.
- CHAMBERS, DOROTHEA NESBITT,
Group, Modern History and Economics and Politics, 1915-19.
 Adana, Turkey. Prepared by the Utica Free Academy, Utica, N. Y.
- CHASE, MARTHA FRANCES, *Group, Greek and French, 1916-19.*
 Concord, Mass. Prepared by the High School, Concord, and by the Concord School for Girls.
- CHURCHILL, MABEL HARLAKENDEN,
Group, Economics and Politics and Psychology, 1917-19.
 Windsor, Vt. Prepared by St. Timothy's School, Catonsville, Md.
- CLARK, DARTHELA, *Group, English and French, 1916-19.*
 Philadelphia. Prepared by Miss Landstreet's School, Philadelphia, and by Miss Wright's School, Bryn Mawr, Pa.
- CLARKE, BARBARA, *Group, ———, 1918-19.*
 Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- CLARKE, FRANCES CHASE,
Group, Modern History and Economics and Politics, 1915-19.
 Providence R. I. Prepared by Miss Wheeler's School, Providence.
- COCHRAN, JULIA NEWTON, . . . *Group, Philosophy and Psychology, 1916-19.*
 The Plains, Va. Prepared by the Bryn Mawr School, Baltimore, Md.; Maria Hopper Sophomore Scholar, 1917-18; Anna Hallowell Memorial Scholar, 1918-19.
- COLLINS, AMY WHIPPLE,
Group, Modern History and Economics and Politics, 1915-19.
 Charleston, W. Va. Prepared by the College Preparatory School of Cincinnati, and by the Baldwin School, Bryn Mawr, Pa.
- COLLINS, ELEANOR, *Group, Mathematics and Physics, 1917-19.*
 Purchase, N. Y. Prepared by the Brearley School, New York City.
- COLLINS, HAZEL STEELE, . . . *Group, Mathematics and Chemistry, 1915-19.*
 Gloversville, N. Y. Wellesley College, 1914-15.
- COLMAN, CHARLOTTE KEHL, *Group, ———, 1916-19.*
 La Crosse, Wis. Prepared by the High School, La Crosse, and by the Mary C. Wheeler School, Providence, R. I.

- COLEMAN, ISABEL, *Group, 'Biology and' —*, 1918-19.
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the Ethel Walker School, Simsbury, Conn.
- CONKLIN, JULIA CECILIA, *Group, English and Philosophy*, 1916-19.
Huntington, L. I., N. Y. Prepared by Miss Spence's School, New York City.
- CONOVER, HELEN FIELD, *Group, English and French*, 1915-19.
Bay City, Mich. Prepared by the Eastern High School, Bay City.
- COOKE, DOROTHEA ALICE, *Group, French and —*, 1918-19.
Honolulu, T. H. Prepared by Punahou Academy, Honolulu.
- COOLIDGE, ANNE, . . . *Group, History and Economics and Politics*, 1916-19.
Brookline, Mass. Prepared by the Winsor School, Brookline.
- COOMBS, SARAH VIRGINIA,
Group, French and Italian and Spanish, 1915-19.
Scarsdale, N. Y. Prepared by the Lockwood Collegiate School, Scarsdale.
- COOPER, ELEANOR STEWARD, . . . *Group, English and German*, 1915-19.
Lansdowne, Pa. Prepared by the Swarthmore Preparatory School and by the Mary Lyon School, Swarthmore, Pa.
- COPE, ELIZABETH FRANCIS, *Group, —*, 1917-19.
Philadelphia. Prepared by Springside, Chestnut Hill, Philadelphia, and by the Westtown Boarding School, Westtown, Pa.
- COWEN, KATHARINE MUIR, . . . *Group, Italian and —*, 1917-19.
Salem, Mass. Prepared by Miss Howe's School, Salem, and by the Misses May's School, Boston, Mass.
- CRANE, DOROTHY GRAY, . . . *Hearer by courtesy in Biology*, 1918-19.
State College, Pa. Prepared by the Pennsylvania State College. Gymnasium Demonstrator, Bryn Mawr College, 1918-19.
- CRILE, MARGARET HARRIS,
Group, French and Italian and Spanish, 1917-19.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- CROSBY, MARGARET, *Group, —*, 1918-19.
Minneapolis, Minn. Prepared by the Northrop Collegiate School, Minneapolis. Bryn Mawr Matriculation Scholar for the Western States, 1918-19.
- DAVIS, LILIAN GOULD, . . . *Group, French and Spanish*, 1916-19.
Schenectady, N. Y. Prepared by the High School, Schenectady, and by the Veltin School, New York City.
- DAY, FRANCES BLAKISTON,
Group, Modern History and Economics and Politics, 1915-19.
Philadelphia. Prepared by the Wissahickon Heights School, St. Martins, Philadelphia, and by the Friends' School, Germantown, Philadelphia. Maria L. Eastman Brooke Hall Memorial Scholar, 1918-19.
- DENT, MARGARET MILLER, *Group, English and Italian*, 1916-19.
Philadelphia. Prepared by the Ethel Walker School, Lakewood, N. J. Maria Hopper Sophomore Scholar, 1917-18; Mary E. Stevens Scholar, 1918-19.
- DESSAU, DOROTHY HELEN, *Group, —*, 1918-19.
New York City. Prepared by Miss Luke's School, New York City, and by Miss Howe and Miss Marot's School, Thompson, Conn.
- DIMELING, CATHARINE, *Group, English and French*, 1917-19.
Clearfield, Pa. Prepared by the High School, Clearfield, and by the Baldwin School, Bryn Mawr, Pa.
- DOM, ANNA, *Group, —*, 1918-19.
Greensburg, Pa. Prepared by the High School, Greensburg, and by the Shipley School, Bryn Mawr, Pa.

- DONALDSON, SIDNEY VIRGINIA, *Group, French and ———*, 1917-19.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion High School Scholar, 1917-18; Special Scholar, 1918-19.
- DONNELLEY, CLARISSA, *Group, English and French*, 1917-19.
Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest, and by Rosemary Hall, Greenwich, Conn.
- DONNELLEY, ELEANOR, *Group, Greek and ———*, 1917-19.
Lake Forest, Ill. Prepared by the Faulkner School, Chicago, and by Rosemary Hall, Greenwich, Conn.
- DONOHUE, ELIZABETH HAVILAND, *Group, ———*, 1918-19.
New Brunswick, N. J. Prepared by the Baldwin School, Bryn Mawr, Pa., and by Dana Hall, Wellesley, Mass.
- DUBACH, ANNA REUBENIA, *Group, English and Psychology*, 1915-19.
St. Louis, Mo. Prepared by Mary Institute, St. Louis. Bryn Mawr Matriculation Scholar for the Western States, 1915-16.
- DUNN, ANITA, *Group, ———*, 1918-19.
Chicago, Ill. Prepared by the Francis Parker School, Chicago, and by the Shipley School, Bryn Mawr, Pa.
- EADIE, MARIAN, *Group, French and ———*, 1917-19.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore.
- ECROYD, MARY HAINES, *Group, ———*, 1918-19.
Newport, R. I. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- EHLERS, ANITA LOUISE ADELE, *Group, Latin and German*, 1915-19.
Hoboken, N. J. Prepared by the Hoboken Academy.
- EHLERS, LOUISE CHARLOTTE, *Group, ———*, 1918-19.
Hoboken, N. J. Prepared by the Hoboken Academy.
- EILERS, MARGUERITE ELIZABETH, *Group, Spanish and Modern History*, 1916-19.
Sea Cliff, L. I., N. Y. Prepared by the Horace Mann School, New York City, and by the Brearley School, New York City.
- EVANS, EMILY VICTORIA, *Group, English and Philosophy*, 1917-19.
Spartanburg, S. C. Prepared by the Gwyn School, Spartanburg, and by the Baldwin School, Bryn Mawr, Pa.
- EVERETT, CATHERINE ARMS, *Group, Modern History and Economics and Politics*, 1915-19.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Mary Anna Longstreth Memorial Scholar and Special Scholar, 1915-16.
- FARNSWORTH, EDITH BILLINGS, *Group, ———*, 1917-19.
Colorado Springs, Colo. Prepared by the Broadmoor School, Colorado Springs, and by private tuition.
- FARRELL, HELEN THOMPSON, *Group, Physics and Chemistry*, 1917-19.
New York City. Prepared by the Brearley School, New York City.
- FAUVRE, ELISABETH MAUS, *Group, French and Italian and Spanish*, 1915-19.
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by Miss Wright's School, Bryn Mawr, Pa.
- FERGUSON, BERTHA ELIZA, *Group, History and ———*, 1917-19.
Paducah, Ky. Prepared by Rosemary Hall, Greenwich, Conn.
- FERGUSON, DOROTHY ELIZABETH, *Group, ———*, 1918-19.
Philadelphia. Prepared by the High School, Germantown, Philadelphia.
- FERRIS, HILDA, *Group, Mathematics and Physics*, 1916-19.
Philadelphia. Prepared by the Friends' West Philadelphia School, and by the Baldwin School, Bryn Mawr, Pa.

- FETTE, MARIAN CATHERINE DUBACH, *Group, English and Spanish*, 1917-19.
Hannibal, Mo. Prepared by the High School, Hannibal, and by the Misses Kirk's School,
Bryn Mawr, Pa.
- FINCH, EDITH, *Group*, ———, 1918-19.
New York City. Prepared by Miss Chapin's School, New York City.
- FISHER, JOSEPHINE McCULLON,
Group, Economics and Politics and ———, 1918-19.
Melvale, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- FLEXNER, JEAN-ATHERTON,
Group, Modern History and Economics and Politics, 1917-19.
New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matricu-
lation scholar for New York, New Jersey, and Delaware, 1917-18.
- FLOYD, OLIVE BEATRICE, *Group*, ———, 1918-19.
Lincoln, Mass. Prepared by the Misses Allen School, West Newton, Mass.
- FOOT, EVALYN MARYNIA LAWTHOR,
Group, Chemistry and Biology, 1917-19.
Red Wing, Minn. Prepared by the High School, Red Wing, and by the Mary C. Wheeler
School, Providence, R. I.
- FOUNTAIN, AUDREY, *Group, French and* ———, 1918-19.
Scarsdale, N. Y. Prepared by the Public Schools, Scarsdale.
- FRANCE, MARGARET VON TORNEY, *Group, Psychology and Biology*, 1915-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- FRAZIER, JULIA VERONICA,
Group, Chemistry and Biology, 1914-16, 1917-19.
New York City. Prepared by the Bryn Mawr School, Baltimore, by Miss Chapin's School,
New York City, and by private tuition.
- FROST, MARION LOUISE, *Group, French and Spanish*, 1916-19.
Plainfield, N. J. Prepared by the Hartridge School, Plainfield, and by the Shipley School,
Bryn Mawr, Pa.
- FULLER, ELIZABETH DOUGLAS,
Group, Modern History and History of Art, 1915-19.
New York City. Prepared by the High School, Durham, N. C., by Mary Institute, St.
Louis, Mo., and by the Misses Shipley's School, Bryn Mawr, Pa.
- FULLER, FRANCES HIGGINSON,
Group, English and Philosophy and Psychology, 1915-19.
New York City. Prepared by Runkles Grammar School, Brookline, Mass., and by Miss
Haskell's School, Boston, Mass.
- GABEL, ANNE MAY, *Group*, ———, 1918-19.
Lancaster, Pa. Prepared by the Stevens High School, Lancaster.
- GABELL, ELEANOR, *Group, Greek and Latin*, 1918-19.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City
Scholar, 1918-19.
- GARDNER, KATHARINE LUCRETIA, *Group*, ———, 1918-19.
New York City. Prepared by St. Mary's School, Garden City, L. I., and by Rosemary
Hall, Greenwich, Conn.
- GARRISON, CLARINDA KIRKHAM, *Group*, ———, 1917-19.
New York City. Prepared by the Brearley School, New York City.
- GARRISON, MARIAN ELIZABETH, *Group*, ———, 1918-19.
Shickshinny, Pa. Prepared by the State Normal School, Bloomsburg, Pa., and by the
Misses Kirk's School, Bryn Mawr, Pa.
- GIBBS, HARRIET CONSTANCE, *Group*, ———, 1918-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

- GILMAN, MARGARET, *Group, French and Modern History*, 1915-19.
Wellesley, Mass. Prepared by the Misses Allen's School, West Newton, Mass., and by Dana Hall, Wellesley. Anna M. Powers Memorial Scholar, 1918-19.
- GLASNER, MALVINA DOROTHY, *Group*, ———, 1918-19.
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- GODWIN, ELIZABETH DOUGLAS, *Group, French and Modern History*, 1917-19.
Houston, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- GOGGIN, MARY SIMPSON, *Group*, ———, 1917-19.
El Paso, Tex. Prepared by the High School, El Paso, and by the Shipley School, Bryn Mawr, Pa.
- GOOKIN, NATHALIE CLOTILDE, *Group, Latin and English*, 1916-19.
Chicago, Ill. Prepared by the Latin School for Girls, Chicago. Western States Matriculation Scholar, 1916-17.
- GOWING, JEAN, *Group*, ———, 1918-19.
Roxborough, Pa. Prepared by the Ladies' College, Ontario, Canada, and by the Germantown High School, Philadelphia.
- GRACE, VIRGINIA RANDOLPH, *Group*, ———, 1918-19.
New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1918-19.
- GREGG, MARIAN, *Group, French and Italian and Spanish*, 1916-19.
St. Louis, Mo. Prepared by the Mary Institute, St. Louis.
- GRIM, LORETTA MAY, *Group*, ———, 1918-19.
Texarkana, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- GUTHRIE, HARRIET SEYMOUR, *Group*, ———, 1918-19.
Riverside, Ill. Prepared by the University School for Girls, Chicago, and by the Shipley School, Bryn Mawr, Pa.
- HALES, LAURA, *Group, English and Italian and Spanish*, 1916-19.
Oak Park, Ill. Prepared by the High School, Oak Park, and by the Baldwin School, Bryn Mawr, Pa.
- HALL, DOROTHY PHILLIPS,
Group, Modern History and Economics and Politics, 1915-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HALL, ELIZABETH MCGOWAN, *Group*, ———, 1918-19.
Kingston, N. Y. Prepared by the Friends' School, New York City, by the High School, Kingston, N. Y., and by Wykeham Rise, Washington, Conn.
- HAMILTON, RUTH GERTRUDE,
Group, Modern History and Economics and Politics, 1915-19.
Erie, Pa. Prepared by the High School, Erie, and by the Misses Shipley's School, Bryn Mawr, Pa.
- HAND, SERENA EVERETT, *Group*, ———, 1918-19.
New York City. Prepared by the Brearley School, New York City.
- HARDY, MARY, *Group, Mathematics and Physics*, 1916-19.
Cockeysville, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HARRIS, ELEONORE DUBOIS, *Group, French and* ———, 1917-19.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HARRISON, ALICE CUNNINGHAM, *Group, English and Philosophy*, 1916-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HAWKINS, MARY O'NEIL, *Group, Chemistry and Biology*, 1915-16, 1917-19.
Denver, Colo. Prepared by the Wolcott School, Denver, by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.

- HAWORTH, KATHERINE FROTHINGHAM, *Group*, ———, 1918-19.
Washington, D. C. Prepared by the Lowell High School, San Francisco, Calif. University of California, 1916-17; George Washington University, 1917-18.
- HAY, MARY DOUGLAS, *Group, Economics and Politics and* ———, 1918-19.
Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.
- HAYMAN, CORNELIA, *Group, English and Psychology*, 1915-19.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HAYNES, THEODOSIA, *Group, English and Philosophy*, 1915-19.
Longmeadow, Mass. Prepared by Dana Hall, Wellesley, Mass., and by the Misses Shipley's School, Bryn Mawr, Pa.
- HAZELTON, BYRD CRIMORA, *Group*, ———, 1918-19.
New York City. Prepared by the Brearley School, New York City.
- HEALEA, EDITH, *Group*, ———, 1918-19.
New Philadelphia, O. Prepared by the High School, New Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- HEALEA, MONICA, *Group, Mathematics and Physics*, 1916-19.
New Philadelphia, O. Prepared by the High School, New Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- HEARNE, GERTRUDE JAMES,
Group, Modern History and Economics and Politics, 1915-19.
Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- HERING, DOROTHEA PAULINE THERESA,
Group, Chemistry and Geology, 1915-19.
Montclair, N. J. Prepared by the High School, Montclair.
- HERRICK, JOSEPHINE URSULA,
Group, English and Philosophy and Psychology, 1917, 1917-19.
Cleveland, O. Prepared by the Westover School, Middlebury, Conn., by the Laurel School, Cleveland, and by the Misses Kirk's School, Bryn Mawr, Pa.
- HESS, GERALDINE, *Group, English and Italian and Spanish*, 1916-19.
Council Bluffs, Ia. Prepared by the High School, Council Bluffs, and by Brownell Hall, Omaha, Neb.
- HICKMAN, REBECCA MCDOEL,
Group, Modern History and History of Art, 1915-19.
Chicago, Ill. Prepared by the Chicago Latin School, and by Miss Wheeler's School, Providence, R. I.
- HILL, HELEN DOROTHY, *Group, Psychology and Physics*, 1917-19.
Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest.
- HOAG, MARY SCATTERGOOD,
Group, Modern History and Economics and Politics, 1916-19.
Haverford, Pa. Prepared by the Pensionnat Cuénoud et Roos, Lausanne, Switzerland, and by the Westtown Boarding School, Westtown, Pa.
- HOBDY, ELIZABETH BELLE, *Group*, ———, 1918-19.
Honolulu, T. H. Prepared by Punahou Academy, Honolulu.
- HOLLINGSHEAD, FRANCES MARION, *Group, English and French*, 1917-19.
Bradford, Pa. Prepared by the High School, Bradford.
- HOLLINGSWORTH, AGNES, *Group, Mathematics and Physics*, 1917-19.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Special Scholar, 1918-19.
- HOLLIS, CLARA ELIZABETH,
Group, Modern History and Economics and Politics, 1915-19.
Winnetka, Ill. Prepared by the Girton School, Winnetka.

- HOLMES, HARRIET BUCHANAN, . . . *Group, English and Philosophy*, 1916-19.
Cincinnati, O. Prepared by the University School, Avondale, Cincinnati, and by private tuition.
- HOLMES, JANET ALEXINA, *Group, English and Psychology*, 1915-19.
St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- HOWARD, FRANCES REBECCA, *Group, English and French*, 1917-19.
Louisville, Ky. Prepared by the Semple Collegiate School, and by the Louisville Collegiate School, Louisville.
- HOWARD, OCTAVIA DUVALL, *Group, ———*, 1918-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HOWELL, FREDERICA BURCKLE,
Group, Spanish and Modern History, 1915-19.
Newark, N. J. Prepared by Oldfields, Glencoe, Md., and by the Misses Masters's School, Dobbs Ferry, N. Y.
- HOWES, EDITH MARY, *Group, Latin and English*, 1915-19.
Philadelphia. Prepared by the Girls' High School, West Philadelphia, and by private tuition. Philadelphia City Scholar, 1915-19, Special Scholar, 1916-17, 1918-19, and additional Maria Hopper Scholar, 1917-18.
- HUMPHREY, HELEN GERMAINE, *Group, French and Spanish*, 1916-19.
New York City. Prepared by the Hawthorne School, New York City, and by the Veltin School, New York City.
- HUMPHREYS, HELEN, *Group, Latin and German*, 1916-19.
Cleveland, O. Prepared by the East High School, Cleveland, and by private tuition.
- HUNTING, HELEN ELIZABETH,
Group, Modern History and Economics and Politics, 1915-19.
Minneapolis, Minn. Prepared by the Central High School, Minneapolis, and by private tuition.
- HURLOCK, ELIZABETH BERGNER,
Group, Economics and Politics and Psychology, 1915-19.
Harrisburg, Pa. Prepared by the Seiler School, Harrisburg.
- IRESON, LILLEY JANE, *Group, Psychology and Chemistry*, 1917-19.
Boston, Mass. Prepared by the Girls' Latin School, Boston, and by Miss Wright's School, Bryn Mawr, Pa.
- JAMES, HELEN MIRIAM, *Group, ———*, 1917-19.
Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs, and by Miss Ethel Walker's School, Lakewood, N. J.
- JAMES, TERESA DONOHUE, *Group, French and Spanish*, 1916-19.
Washington, D. C. Prepared by Stuart Hall, Staunton, Va., by the Holton Arms School, Washington, and by Miss Madeira's School, Washington.
- JANEWAY, MARGARET MCALLISTER,
Group, Modern History and Economics and Politics, 1915-19.
New York City. Prepared by Miss Chapin's School, New York City.
- JAY, ELLEN, *Group, ———*, 1917-19.
New York City. Prepared by the Brearley School, New York City.
- JAY, NANCY, *Group, ———*, 1918-19.
New York City. Prepared by the Brearley School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- JENKINS, DOROTHY DE GROFF, *Group, Mathematics and Physics*, 1916-19.
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- JENNINGS, HENRIETTA COOPER, *Group, ———*, 1918-19.
Danville, Pa. Prepared by the High School, Williamsport, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.

- JOHNSON, HÉLÈNE VENNUM,
Group, Modern History and Economics and Politics, 1915-19.
 Racine, Wis. Prepared by Kemper Hall, Kenosha, Wis., and by Wykeham Rise, Washington, Conn.
- JOHNSTON, KATHLEEN FLORENCE, . . . *Group, English and ———, 1917-19.*
 Philadelphia. Prepared by Miss Hills's School, Philadelphia.
- JONES, FRANCES, *Group, French, Italian and Spanish, 1917-19.*
 Granville, O. Prepared by Miss Wright's School, Bryn Mawr.
- JUSTICE, JEAN GILPIN, *Group, ———, 1916-19.*
 Ardmore, Pa. Prepared by the High School, Narberth, Pa.
- KALES, ELIZABETH, *Group, Chemistry and Biology, 1917-19.*
 Winnetka, Ill. Prepared by the Girtton School, Winnetka, and by Miss Ethel Walker's School, Lakewood, N. J.
- KARNS, HELEN COREENE, *Group, English and Psychology, 1915-19.*
 Benton, Pa. Prepared by Wilkes Barre Institute, Wilkes Barre, Pa. Maria Hopper Sophomore Scholar, 1916-17; Anna Hallowell Memorial Scholar, 1917-18; Special Scholar, 1918-19.
- KARNS, RUTH LOUISE,
Group, Economics and Politics and Philosophy, 1917-19.
 Benton, Pa. Prepared by Wilkes Barre Institute, Wilkes Barre, Pa. Maria Hopper Sophomore Scholar, 1918-19.
- KAUFMANN, WINIFRED HOPE,
Group, History and Economics and Politics, 1915-19.
 Evanston, Ill. Prepared by the Township High School, Evanston.
- KEEBLE, CORNELIA, . . . *Group, History and Economics and Politics, 1916-19.*
 Nashville, Tenn. Prepared by the Ward Seminary, Nashville, by Ward-Belmont College, Nashville, and by the Misses Kirk's School, Bryn Mawr, Pa.
- KELLOGG, ELIZABETH HOSMER,
Group, Economics and Politics and ———, 1917-19.
 Waterbury, Conn. Prepared by Rosemary Hall, Greenwich, Conn.
- KELLOGG, LOIS WALCOTT, *Group, English and ———, 1916-19.*
 Utica, N. Y. Prepared by the Balliol School, Utica, and by Miss Walker's School, Lakewood, N. J.
- KELLY, BOWER, *Group, ———, 1917-19.*
 Haverford, Pa. Prepared by the Faulkner School, Chicago, Ill., and by the Misses Kirk's School, Bryn Mawr, Pa.
- KENNARD, MARGARET ALICE, *Group, ———, 1918-19.*
 Newton Centre, Mass. Prepared by the Winsor School, Brookline, Mass.
- KIMBROUGH, EMILY, *Group, French and ———, 1917-19.*
 Chicago, Ill. Prepared by the Faulkner School, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.
- KINARD, MARGARET CATHARINE, *Group, Latin and ———, 1916-19.*
 Lancaster, Pa. Prepared by the Shippen School for Girls, Lancaster, and by private tuition.
- KINGSBURY, HELEN EMILY,
Group, English and Philosophy and Psychology, 1916-19.
 Bryn Mawr, Pa. Prepared by the Walnut Hill School, Natick, Mass., by the Cambridge School for Girls, Cambridge, Mass., and by the Shipley School, Bryn Mawr, Pa.
- KIRKBRIDE, MABEL STORY, *Group, ———, 1918-19.*
 New York City. Prepared by the Veltin School, New York City.
- KIRKLAND, MARY PORTER, *Group, French and ———, 1917-19.*
 Houston, Tex. Prepared by Miss Wood's School, Houston, and by the Shipley School, Bryn Mawr, Pa.

- KLENKE, DOROTHY AMELIA, *Group, Chemistry and Biology*, 1917-19.
New York City. Prepared by Miss Spence's School, New York City.
- KNIFFEN, FLORENCE ELIZABETH, *Group, History and ———*, 1917-19.
Holly Oak, Del. Prepared by the High School, Wilmington, Del., and by the Friends' School, Wilmington.
- KRANTZ, MARGUERITE BERTA ELSE,
Group, German and History, 1915-17, 1918-19.
Brooklyn, N. Y. Prepared by the Packer Collegiate Institute, Brooklyn.
- KRECH, MARGARET ALWYN, *Group, Chemistry and ———*, 1918-19.
New York City. Prepared by the Brearley School, New York City.
- LABEL, FRANCES, *Group, Mathematics and Physics*, 1918-19.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1918-19.
- LA BOITEAUX, CONSTANCE, *Group, ———*, 1918-19.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.
- LADD, MARGARET RHOADS, *Group, Greek and ———*, 1917-19.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1917-18.
- LAFFERTY, MABEL, *Group, Latin and English*, 1915-19.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City Scholar, 1915-19.
- LANDESMAN, HELEN, *Group, ———*, 1918-19.
Cleveland, O. Prepared by the East High School, Cleveland, and by the Harcum School, Bryn Mawr, Pa.
- LONDON, ADELAIDE, *Group, Mathematics and Physics*, 1915-19.
Staatsburg on Hudson, N. Y. Prepared by Miss A. J. G. Perkins, New York City, and by Miss Chapin's School, New York City. Elizabeth S. Shippen Scholar in Science, 1918-19.
- LANIER, ELIZABETH DAY,
Group, Modern History and Economics and Politics, 1915-19.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- LATTIMER, EVA JANE,
Group, Modern History and Economics and Politics, 1917-19.
Columbus, O. Prepared by the Columbus School for Girls.
- LAUER, IDA FELICIA, *Group, English and Philosophy*, 1917-19.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1917-19.
- LEE, ALICE, 2ND, *Group, Chemistry and Biology*, 1918-19.
Chestnut Hill, Mass. Prepared by the Winsor School, Brookline, Mass.
- LIDDELL, VINTON, *Group, French and ———*, 1918-19.
Charlotte, N. C. Prepared by the Shipley School, Bryn Mawr, Pa.
- LINDSEY, MARTHA JANE, *Group, French and Modern History*, 1916-19.
Nashville, Tenn. Prepared by the Ward Seminary, Nashville, by the Ward-Belmont School, Nashville, and by Miss Madeira's School, Washington, D. C.
- LITTELL, MARGARET, *Group, ———*, 1916-19.
New York City. Prepared by Miss Treat's School, Milwaukee, Wis., by the Brearley School, New York City, and by Miss Walker's School, Lakewood, N. J.
- LITZINGER, MARIE, *Group, Latin and Mathematics*, 1916-19.
Bedford, Pa. Prepared by the High School, Bedford. James E. Rhoads Sophomore Scholar, 1917-18; First Charles S. Hinchman Memorial Scholar, 1918-19.

- LIU, FUNG KEI, *Group*, ———, 1918-19.
Canton, China. Prepared by Canton Christian College and by the Shipley School, Bryn Mawr, Pa.
- LUBAR, MARIE AGATHE,
 Group, Modern History and Economics and Politics, 1915-19.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1915-19; Special Scholar, 1916-17.
- LUBIN, DOROTHY SOPHIE, *Group*, ——— and *Biology*, 1917-19.
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by Rosemary Hall, Greenwich, Conn.
- LUBIN, GRACE, *Group, Physics and Chemistry*, 1917-19.
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by Wykeham Rise, Washington, Conn.
- LUETKEMEYER, ELIZABETH HELEN,
 Group, Modern History and Economics and Politics, 1916-19.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- LYONS, ELLIEN AGNES, *Group, French and Spanish*, 1917-19.
Brookline, Mass. Prepared by the Shipley School, Bryn Mawr, Pa.
- MACDONALD, ENID SCHURMAN,
 Group, Economics and Politics and Psychology, 1915-19.
Vancouver, B. C. Prepared by the King Edward High School, Vancouver, and by the Broadway High School, Seattle, Wash. Thomas H. Powers Memorial Scholar, 1917-18; Special Scholar, 1918-19.
- MACDONALD, MARY HELEN, . . . *Group, Mathematics and* ———, 1917-19.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion High School Scholar, 1917-18; James E. Rhoads Sophomore Scholar, 1918-19.
- MACKENZIE, MARJORIE TAYLOR, *Group, French and History of Art*, 1914-19.
Halifax, N. S. Prepared by the Horace Mann School, New York City, by the Halifax Ladies' College, and by Miss Lander's School, Indianapolis, Ind.
- MACRUM, EDITH, *Group, Mathematics and Physics*, 1915-19.
Oakmont, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa. Second Charles S. Hinchman Memorial Scholar, 1918-19.
- MAGINNISS, IRENE EMMA,
 Group, English and Italian and Spanish, 1917-19.
Llanerch, Pa. Prepared by the High School, Upper Darby, Pa.
- MALL, MARY LOUISE, *Group, Mathematics and Physics*, 1916-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore; Special Scholar, 1918-19.
- MARBURY, SILVINE VON DORSNER, . . *Group, History and* ———, 1917-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MARQUAND, ELEANOR,
 Group, Economics and Politics and Psychology, 1915-19.
Princeton, N. J. Prepared by Miss Fine's School, Princeton. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1915-16.
- MARSHALL, REBECCA SNOWDEN, *Group, Mathematics and* ———, 1917-19.
Garrison, Md. Prepared by the Bryn Mawr School, Baltimore.
- MARTIN, MARJORIE, *Group, English, Italian and Spanish*, 1915-19.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- MATTESON, ELIZABETH, *Group, Chemistry and Biology*, 1917-19.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.

- MATZ, EMILY FLORENCE,
Group, Philosophy and Psychology, 1915-16, 1917, 1917-19.
 Hubbard Woods, Ill. Prepared by the Girtton School, Winnetka, Ill., and by Miss Wright's School, Bryn Mawr, Pa.
- MCBRIDE, DOROTHY ELIZABETH, . . . *Group, English and ———, 1917-19.*
 Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- MCCLENNEN, MARY, *Group, Economics and Politics and ———, 1917-19.*
 Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- MEARNS, LOUISE ADELA CLARK, *Group, ———, 1918-19.*
 New York City. Prepared by St. Agatha's School, New York City.
- MEBANE, JESSIE, *Group, English and French, 1914-16, 1917-19.*
 Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute and by private tuition. Mary Anna Longstreth Memorial Scholar, 1918-19.
- MELTON, GULIELMA, *Group, ———, 1918-19.*
 Columbia, S. C. Prepared by the College for Women, Columbia, and by the Baldwin School, Bryn Mawr, Pa.
- MENG, MABEL ANNA, *Group, ———, 1918-19.*
 Philadelphia. Prepared by the Germantown High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1918-19.
- MERCER, ERNESTINE EMMA, *Group, Greek and Latin, 1915-19.*
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1915-16, and Trustees' Philadelphia Girls' High School Scholar, 1915-19; Elizabeth S. Shippen Scholar in Foreign Languages, 1918-19.
- MILLS, ELIZABETH, *Group, French and ———, 1917-19.*
 Buffalo, N. Y. Prepared by St. Timothy's School, Catonsville, Md.
- MILLS, ELIZABETH HOLE, . . . *Group, Spanish and History of Art, 1917-19.*
 N. Tonawanda, N. Y. Prepared by the High School, N. Tonawanda, and by Sweet Briar Academy, Sweet Briar, Va.
- MOEBIUS, AGNES JEANNETTE, *Group, Latin and German, 1916-19.*
 Nutley, N. J. Prepared by the Seminary, Newark, N. J., by the High School, Nutley, by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- MOORE, ANGELA TURNER,
Group, Modern History and Economics and Politics, 1915-19.
 New York City. Prepared by St. Timothy's School, Catonsville, Md.
- MOORES, EMILY BISHOP,
Group, Economics and Politics and Psychology, 1915-19.
 Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis.
- MORRISON, MIRIAM GLADYS, *Group, ———, 1917-19.*
 Marquette, Mich. Prepared by Rosemary Hall, Greenwich, Conn.
- MORTON, MARGARET VILLIERS, . . *Group, Chemistry and Biology, 1917-19.*
 Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- MOSELEY, MARION RENWICK,
Group, Modern History and History of Art, 1915-19.
 Highland Park, Ill. Prepared by the University School for Girls, Chicago, Ill.
- MOTTU, CATHARINE CHANDLEE, . . . *Group, French and ———, 1917-19.*
 Baltimore, Md. Prepared by the Friends' School, Baltimore, and by the Bryn Mawr School, Baltimore.
- MÜLLER, ELSIE, *Group, Latin and English, 1919.*
 Brooklyn, N. Y. Prepared by the Bushwick High Schools, Brooklyn.

- MUNFORD, MARY SAFFORD, *Group, English and Psychology*, 1916-19.
Richmond, Va. Prepared by the Walnut High School, Natick, Mass., by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.
- MURLESS, BARBARA ARDEN, *Group, Chemistry and Biology*, 1918-19.
Hartford, Conn. Prepared by Wykeham Rise, Washington, Conn. Wells College, 1917-18.
- MURRAY, HELEN IRVIN, *Group, English and ———*, 1917-19.
Binghamton, N. Y. Prepared by the Lady Jane Grey School, Binghamton, and by Resthaven, Mendon, Mass.
- NEEL, RAYMONDE GERTRUDE ELEONORE, *Group, ———*, 1918-19.
Milburn, N. J. Prepared by Short Hills School, Short Hills, N. J., and by Miss Beard's School, Orange, N. J.
- NEWELL, ELEANOR KING, *Group, ———*, 1917-19.
Nyon, Switzerland. Prepared by Ecole Vinet, Lausanne, Switzerland, by Milton Academy, Milton, Mass., by St. Timothy's School, Catonsville, and by Miss Madeira's School, Washington, D. C.
- NICOLL, ALICE MARY, *Group, ———*, 1918-19.
New York City. Prepared by Miss Chapin's School, New York City.
- NOBLE, MARY ANNGENETTE, *Group, French and Spanish*, 1917-19.
Westfield, Mass. Prepared by the High School, Westfield.
- NORCROSS, PHOEBE WRENN, *Group, ———*, 1918-19.
Chicago, Ill. Prepared by the Latin School, Chicago, and by St. Timothy's School, Catonsville, Md.
- O'BRIEN, MIRIAM ELIOT, *Group, Mathematics and Physics*, 1916-19.
Brookline, Mass. Prepared by Miss May's School, Boston, Mass.
- OPPENHEIMER, CELIA,
Group, Economics and Politics and Philosophy, 1915-19.
Washington, D. C. Prepared by the Central High School and by Miss Madeira's School, Washington.
- ORBISON, AGNES MORRIS, *Group, ———*, 1918-19.
Overbrook, Pa. Prepared by Northfield Seminary, East Northfield, Mass., and by private tuition.
- OSTROFF, PASSYA EUNIA,
Group, Economics and Politics and Philosophy and Psychology, 1917-19.
Philadelphia. Prepared by the William Penn High School, and by the Girls' High School, Philadelphia. L. C. B. Saul Memorial Scholar, 1917-19; Thomas H. Powers Memorial Scholar, 1918-19.
- OUTERBRIDGE, KATHLEEN LOUISE NORTON,
Group, Modern History and Economics and Politics, 1915-19.
New York City. Prepared by Miss Chapin's School for Girls, New York City.
- PALACHE, ELIZA JEANNETTE, *Group, Psychology and ———*, 1918-19.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, by the Cambridge School, Cambridge, and by the Winsor School, Brookline, Mass.
- PARK, VIRGINIA, *Group, Physics and ———*, 1916-19.
Atchison, Kans. Prepared by the College Preparatory School, Atchison, by the Midland Academy, Atchison, by Midland College, Atchison, and by private tuition. Special Frances Marion Simpson Scholar, 1918-19.
- PARSONS, HELEN TROOP,
Group, Modern History and Economics and Politics, 1917-19.
Baltimore, Md. Prepared by the Roland Park Country School, and by the Bryn Mawr School, Baltimore.
- PARSONS, LOIS BURNETT, *Group, French and Spanish*, 1916-19.
Columbus, O. Prepared by the Columbus School for Girls, Columbus, O., and by private tuition.

- PEABODY, JEANNETTE FÉLICIE, *Group, Chemistry and Biology*, 1915-19.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- PEEK, KATHERINE MARY, *Group*, ———, 1918-19.
Moline, Ill. Prepared by S. Katharine's School, Davenport, Ia., and by the National Cathedral School, Washington, D. C.
- PELL, ORLIE ANNA HAGGERTY, *Group*, ———, 1918-19.
New York City. Prepared by St. Timothy's School, Catonsville, Md.
- PERSHING, 2ND, ELIZABETH HELFENSTEIN,
Group, French and Modern History, 1914-19.
Pineville, Pa. Prepared by the Friends' School, Germantown, Philadelphia, and by private tuition.
- PETERS, DOROTHY ALICE,
Group, Modern History and Economics and Politics, 1915-19.
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- PEYTON, JULIA COOKE, *Group*, ———, 1917-19.
Charlestown, W. Va. Prepared by the High School, Charlestown, and by St. Hilda's Hall, Charlestown.
- PHARO, ELIZABETH WILSON, *Group*, ———, 1918-19.
Haverford, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- PITKIN, DORIS ELLEN, *Group, English and Philosophy*, 1916-19.
New York City. Prepared by the Misses Rayson's School, New York City, and by the Brearley School, New York City. New York, New Jersey, and Delaware Matriculation Scholar, 1916-17.
- PLATT, MARION LOUISE,
Group, History and Economics and Politics, 1917-19.
Manitowoc, Wis. Prepared by the High School, Manitowoc, and by private tuition. University of Wisconsin, 1915-16.
- PORRITT, MARY GERTRUDE,
Group, Modern History and Economics and Politics, 1916-19.
Hartford, Conn. Prepared by the High School, Hartford, and by Rosemary Hall, Greenwich, Conn.
- PORTER, NANCY FOSTER, *Group, Chemistry and Biology*, 1917-19.
Hubbard Woods, Ill. Prepared by the Girtton School, Winnetka, Ill.
- PRESCOTT, HELEN,
Group, Modern History and Economics and Politics, 1915-19.
Jamaica Plain, Mass. Prepared by Miss Woodward's School, Boston, Mass., by Mrs. von Mach's School, Boston, and by private tuition. James E. Rhoads Sophomore Scholar, 1916-17; James E. Rhoads Junior Scholar, 1917-18.
- PRESTON, ARLINE FEARON, *Group, Latin and French*, 1916-19.
Fallston, Md. Prepared by Belair Academy, Belair, Md., and by the Hannah More Academy, Reisterstown, Md. Chicago Bryn Mawr Club Scholar, 1916-17; Mary Anna Longstreth Memorial Scholar, 1917-18; James E. Rhoads Junior Scholar, 1918-19.
- RAMSAY, MARY MORRIS,
Group, English and Philosophy and Psychology, 1915-19.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- RAWSON, MARION, *Group*, ———, 1918-19.
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati, and by Wykeham Rise, Washington, Conn.
- RAY, ROBERTA MARIE, *Group, Greek and Latin*, 1915-19.
Allison, Ia. Prepared by the High School, Allison, and by St. Katharine's School, Davenport, Ia.
- REID, HELEN, *Group, French and Modern History*, 1915-19.
Norfolk, Va. Prepared by St. George's School, Norfolk, Va., and by St. Timothy's School, Catonsville, Md.
- REINHARDT, LOUISE, *Group*, ———, 1917-19.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.

- REINHARDT, REBECCA, *Group, Spanish and Modern History*, 1915-19.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- REIS, ELIZABETH DITHRIDGE,
Group, Economics and Politics and ———, 1917-19.
New Castle, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- REMINGTON, MARJORIE,
Group, Modern History and Economics and Politics, 1915-19.
New York City. Prepared by the Veltin School, New York City.
- RHETT, CATHERINE TYLER, *Group, ———*, 1918-19.
Garden City, L. I., N. Y. Prepared by the Cathedral School of St. Mary, Garden City.
- RHOADS, JR., GRACE EVANS, *Group, ———*, 1918-19.
Moorestown, N. J. Prepared by the Friends' Academy, Moorestown, and by Westtown School, Westtown, Pa.
- RHOADS, MARGARET WHITALL, . . . *Group, English and Psychology*, 1915-19.
Philadelphia. Prepared by the Friends' School, Germantown and by the Westtown Boarding School, Westtown, Pa.
- RIGGS, HELENA EMMA, *Group, Chemistry and Biology*, 1917-19.
Philadelphia. Prepared by the West Philadelphia High School.
- RIKER, FRANCES, *Group, English and French*, 1917-19.
Newark, N. J. Prepared by Miss Porter's School, Farmington, Conn., and by Miss Ethel Walker's School, Lakewood, N. J.
- ROBBINS, FRANCES SPENCER, *Group, ———*, 1918-19.
Chicago, Ill. Prepared by the Latin School, Chicago, and by St. Timothy's School, Catonsville, Md.
- ROBINSON, CATHERINE PALMER, *Group, French and ———*, 1916-19.
Larchmont Manor, N. Y. Prepared by the Larchmont School, Larchmont Manor, and by the Brearley School, New York City.
- ROGERS, DOROTHY LOIS, *Group, English and Philosophy*, 1916-19.
Chicago, Ill. Prepared by the University High School, Chicago, and by the Baldwin School, Bryn Mawr, Pa.
- ROGERS, EVELYN, *Group, ———*, 1918-19.
New York City. Prepared by the Brearley School, New York City.
- RONDINELLA, EDITH, *Group, English and French*, 1915-19.
Philadelphia. Prepared by the Gordon School, Philadelphia.
- ROOD, ALICE QUAN,
Group, Modern History and Economics and Politics, 1916-19.
Evanston, Ill. Prepared by the Girton School, Winnetka, Ill. Northwestern University, 1915-16.
- ROSE, AGNES MILNE, *Group, Mathematics and Physics*, 1916-19.
Narberth, Pa. Prepared by the High School, Narberth.
- RÜBEL, HELEN FRANCES, *Group, Philosophy and Psychology*, 1917-19.
New York City. Prepared by the Brearley School, New York City, and by private tuition.
- RUPERT, ANNA SWIFT, *Group, French and ———*, 1918-19.
Marshallton, Del. Prepared by the Misses Hebb's School, Wilmington, Del.
- SANFORD, ANNA MUNSON, *Group, English and Philosophy*, 1916-19.
Honey Brook, Pa. Prepared by Hannah More Academy, Reisterstown, Md., and by private tuition. Frances Marion Simpson Scholar, 1916-19, and Chicago Bryn Mawr Club Scholar, 1917-18.
- SCHURMAN, BARBARA,
Group, Modern History and Economics and Politics, 1917-19.
Ithaca, N. Y. Prepared by Rosemary Hall, Greenwich, Conn.

- SCHWARTZ,* MARGUERITE OLGA ADLER,
Group, French and Italian and Spanish, 1905-07, 1916-18, 1919.
 Philadelphia. Prepared by the Wadleigh High School, New York City, and by the Girls' High School, Philadelphia.
- SCOTT, MARY, *Group, Modern History and Economics and Politics, 1915-19.*
 Philadelphia. Prepared by the Girls' High School, West Philadelphia.
- SHEARER, FAYETTA JULIA, *Group, English and French, 1918-19.*
 New York City. Prepared by the Brearley School, New York City.
- SHEPPARD, EUGENIA BENBOW, *Group, English and French, 1917-19.*
 Columbus, O. Prepared by the Columbus School for Girls. Bryn Mawr Matriculation Scholar for the Western States, 1917-18.
- SHOEMAKER, ELEANOR HOOVEN,
Group, Economics and Politics and ———, 1917-19.
 Norristown, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- SKINNER, CORNELIA OTIS, *Group, ———, 1918-19.*
 Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.
- SLOAN, LOUISE LITTIG, *Group, Mathematics and Physics, 1916-19.*
 Lutherville, Md. Prepared by the Bryn Mawr School, Baltimore, Md. Second Bryn Mawr School Scholar, 1916-17.
- SMITH, DOROTHY WONDERLY, *Group, French and Modern History, 1916-19.*
 Grand Rapids, Mich. Prepared by Miss Charlotte Moffitt's School, Grand Rapids, by the High School, Grand Rapids, by Miss Madeira's School, Washington, D. C., and by private tuition.
- SMITH, MABEL WILES, *Group, Greek and ———, 1917-19.*
 Westfield, Mass. Prepared by the High School, Westfield, and by the Baldwin School, Bryn Mawr, Pa.
- SMITH, PRUE DURANT, . . *Group, Economics and Politics and ———, 1918-19.*
 Brooklyn, N. Y. Prepared by the Packer Collegiate Institute, Brooklyn, and by the Mary C. Wheeler School, Providence, R. I.
- SNAVELY, ALICE MIRIAM,
Group, Modern History and Economics and Politics, 1915-19.
 Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia City Scholar, 1915-19; Mary E. Stevens Junior Scholar, 1917-18.
- SORCHAN, LOUISA BEATRICE,
Group, Modern History and Economics and Politics, 1915-19.
 New York City. Prepared by Miss Chapin's School, New York City.
- SOUTHALL, MARY KATHERINE,
Group, Economics and Politics and ———, 1917-19.
 Florence, Ala. Prepared by the Baldwin School, Bryn Mawr, Pa.
- SPALDING, HELEN ELIZABETH, *Group, Greek and Latin, 1915-19.*
 Detroit, Mich. Prepared by the Liggett School, Detroit.
- SPEER, MARGARET BAILEY,
Group, Economics and Politics and ———, 1918-19.
 Englewood, N. J. Prepared by the Dwight School for Girls, Englewood, and by Abbot Academy, Andover, Mass.
- SPINELLI, BEATRICE NORAH, *Group, Greek and English, 1917-19.*
 Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia Girls' High School Trustees' Scholar, 1917-19, and James E. Rhoads Sophomore Scholar, 1918-19.
- SPURNEY, JEAN, *Group, French and Italian and Spanish, 1917-19.*
 Cleveland, O. Prepared by the Laurel School, Cleveland.

* Mrs. Louis Schwartz.

- STAMBAUGH, MARGARET HENRY,
Group, Latin and Classical Archaeology, 1915-16, 1917-19.
 Harrisburg, Pa. Prepared by the High School, Harrisburg, and by private tuition. Smith
 College, 1916-17.
- STEVENS, EDITH, *Group, French and Modern History, 1916-19.*
 Lowell, Mass. Prepared by the Rogers High School, Lowell.
- STEVENS, HARRIET LYMAN, *Group, ———, 1918-19.*
 Lowell, Mass. Prepared by Rogers Hall, Lowell.
- STEVENSON, EMILY DOROTHY, *Group, ———, 1918-19.*
 Philadelphia. Prepared by the Girls' High School, Philadelphia.
- STEWART, CATHERINE, *Group, ———, 1918-19.*
 Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- STEWART, WINIFRED BAYARD,
Group, Economics and Politics and Philosophy and Psychology, 1918-19.
 Philadelphia. Prepared by the Girls' High School, Philadelphia.
- STILES, ANNETTE,
Group, Modern History and Economics and Politics, 1915-19.
 Fitchburg, Mass. Prepared by the High School, Fitchburg, and by the Shipley School,
 Bryn Mawr, Pa.
- STILES, KATHERINE, *Group, Spanish and History, 1918-19.*
 Fitchburg, Mass. Prepared by the Public Schools, Fitchburg, and by Wykeham Rise,
 Washington, Conn.
- STILLWELL, CARO OWENS, *Group, ———, 1918-19.*
 Bryn Mawr, Pa. Prepared by the Baldwin School and by private tuition.
- STONE, HELEN HARRIETTE McCALMONT,
Group, Physics and Chemistry, 1917-19.
 Kalamazoo, Mich. Prepared by the Girton School, Winnetka, and by the Shipley School,
 Bryn Mawr, Pa.
- TAPPAN, HELEN, *Group, Modern History and Economics and Politics, 1915-19.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- TAUSSIG, CATHARINE CROMBIE,
Group, Modern History and Economics and Politics, 1915-19.
 Cambridge, Mass. Prepared by the Cambridge School, Cambridge.
- TAYLOR, ANN RICHARDS, *Group, Chemistry and ———, 1917-19.*
 Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- TAYLOR, ELIZABETH PREWITT, *Group, ———, 1917-19.*
 Little Rock, Ark. Prepared by the High School, Little Rock, and by Miss Wright's School,
 Bryn Mawr, Pa.
- TAYLOR, MARGARET WOOD,
Group, Modern History and Economics and Politics, 1917-19.
 Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- TAYLOR, SARAH COLE, *Group, Chemistry and Biology, 1915-19.*
 Morgantown, N. C. Prepared by Miss Shipp, Hendersonville, N. C., and by the Shipley
 School, Bryn Mawr, Pa.
- THOMAS, KATHARINE COOPER, *Group, Latin and Spanish, 1916-19.*
 Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- THOMPSON, MARIA LLOYD, *Group, Latin and French, 1917-19.*
 Norfolk, Va. Prepared by the Maury High School, Norfolk, and by the Misses Kirk's
 School, Bryn Mawr, Pa.

- THORNDIKE, ANNA, *Group, Mathematics and Physics*, 1915-19.
Boston, Mass. Prepared by the Misses May's School, Boston. Bryn Mawr Matriculation Scholar for the New England States, 1915-16.
- THURLOW, SYLVA, *Group, ———*, 1918-19.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia City Scholar, 1918-19.
- THURMAN, MARY LEE, *Group, English and Philosophy*, 1915-19.
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- TITCOMB, ELIZABETH, *Group, ———*, 1918-19.
Albany, N. Y. Prepared by Lyndon Institute, Lyndon Centre, Vt., and by the Baldwin School, Bryn Mawr, Pa.
- TOWNSEND, KATHARINE WENDALL, . . *Group, English and Italian*, 1916-19.
Boston, Mass. Prepared by the Winsor School, Boston.
- TRAIN, MARGARET ADAMS,
Group, Economics and Politics and Philosophy and Psychology, 1916-19.
New York City. Prepared by Miss Spence's School, New York City, and by St. Timothy's School, Catonsville, Md.
- TROTTER, GRACE, *Group, English and French*, 1917-19.
Lookout Mountain, Tenn. Prepared by the Girls' Preparatory School, Chattanooga, Tenn.
- TUCKER, MARTHA ELIZABETH RANDOLPH, *Group, ———*, 1918-19.
New York City. Prepared by Institute Tisé, New York City, and by private tuition.
- TYLER, KATHARINE DOUGLAS,
Group, Modern History and Economics and Politics, 1915-19.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- TYLER, MARGARET, *Group, ———*, 1918-19.
Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia, and by Springside, Chestnut Hill.
- TYLER, MARY ETHELYN, . . . *Group, Spanish and Modern History*, 1915-19.
Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia. Elizabeth Duane Gillespie Scholar in American History, 1918-19.
- UCHIDA, FUMI, . . . *Group, English and Philosophy and Psychology*, 1916-19.
Haverford, Pa. Prepared by Kobe College, Kobe, Japan, and by the Misses Kirk's School, Bryn Mawr, Pa.
- VON HOFSTEN, FRANCES LOUISE, *Group, Latin and English*, 1916-19.
Winnetka, Ill. Prepared by the Girton School, Winnetka. Special Scholar, 1918-19.
- VOORHEES, MILDRED ALICE, *Group, ———*, 1918-19.
New York City. Prepared by the Brearley School, New York City.
- WALKER, KATHARINE, *Group, Economics and Politics and ———*, 1917-19.
Brookline, Mass. Prepared by Miss Winsor's School, Longwood, Mass., by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.
- WALTER, DOROTHY, *Group, ———*, 1917-19.
Menlo Park, Calif. Prepared by Miss Harker's School, Palo Alto, Calif., and by the Misses Kirk's School, Bryn Mawr, Pa.
- WALTON, DOROTHEA WETHERILL, *Group, Psychology and Biology*, 1915-19.
Hartsdale, N. Y. Prepared by the Roger Ascham School, Scarsdale, N. Y.
- WARBURG, BETTINA, *Group, ———*, 1917-19.
Washington, D. C. Prepared by the Brearley School, New York City, and by Miss Madeira's School, Washington, D. C.
- WARD, KATHARINE LOUISE, *Group, Greek and English*, 1917-19.
Washington, D. C. Prepared by Miss Madeira's School, Washington, D. C.

- WARD, LAURA LYON, *Group, English and French*, 1917-19.
Fortress Monroe, Va. Prepared by the Misses Kirk's School, Bryn Mawr, Pa. Virginia College, Roanoke, Va., 1916-17.
- WARDER, ANNA JUNE, *Group, ———*, 1918-19.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia.
- WARNER, AMELIA, . . . *Group, English and Philosophy and Psychology*, 1915-19.
North Randall, O. Prepared by the Laurel School, Cleveland, O.
- WARREN, MARJORIE, *Group, French and Spanish*, 1917-19.
Harvard, Mass. Prepared by St. Leonard's School, St. Andrews, Scotland.
- WASHBURN, SIDNEY, *Group, ———*, 1917-19.
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis.
- WEAVER, BETTY M., *Group, Latin and ———*, 1916-19.
Clearfield, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
Frances Marion Simpson Scholar, 1916-19.
- WELLS, DOROTHY JANE, *Group, ———*, 1918-19.
Bethlehem, Pa. Prepared by Dana Hall, Wellesley, Mass., and by the Misses Kirk's School, Bryn Mawr, Pa.
- WEST, ELINOR, *Group, ———*, 1917-19.
Wynnewood, Pa. Prepared by the Shipley School, Bryn Mawr, Pa., and by Miss Ethel Walker's School, Lakewood, N. J.
- WESTON, AILEEN, . . . *Group, Economics and Politics and ———*, 1917-19.
New York City. Prepared by Miss Chapin's School, New York City, and by Rosemary Hall, Greenwich, Conn.
- WHEELER, RUTH WADSWORTH,
Group, Italian and Spanish and History of Art, 1915-19.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.
- WHITTIER, ALICE AUGUSTA SKOLFIELD,
Group, Mathematics and ———, 1917-19.
Brunswick, Me. Prepared by the High School, Brunswick.
- WHITTIER, ISABEL MARY SKOLFIELD,
Group, Modern History and Economics and Politics, 1915-16, 1917,
1917-19.
Brunswick, Me. Prepared by the High School, Brunswick.
- WIESMAN, MARGARET ISOBEL, *Group, ———*, 1917-19.
Clinton, Mass. Prepared by the High School, Clinton, and by private tuition.
- WILLCOX, MARIE FARNSWORTH, . . *Group, Psychology and ———*, 1918-19.
Englewood, N. J. Prepared by the Dwight School, Englewood, and by the Bennett School, Millbrook, N. Y.
- WILLIAMS, ELIZABETH, *Group, French and Modern History*, 1916-19.
Evanston, Ill. Prepared by Mlle Chamorel's School, Vevey, Switzerland, and by Miss Wright's School, Bryn Mawr, Pa.
- WILLIAMS, ELIZABETH, *Group, ———*, 1918-19.
Wilkes Barre, Pa. Prepared by Wilkes Barre Institute.
- WILLIAMS, THELMA GILLETTE, *Group, French, Italian and Spanish*, 1917-19.
Olean, N. Y. Prepared by the High School, Olean, and by the Baldwin School, Bryn Mawr, Pa.
- WILSON, LOUISE,
Group, Economics and Politics and Philosophy and Psychology, 1917-19.
Westmont, P. Q., Canada. Prepared by Trafalgar Institute, Montreal, and by the Baldwin School, Bryn Mawr, Pa. Royal Victoria College for Women, McGill University, 1915-16.

- WOOD, LOUISE HOLABIRD,
Group, Modern History and Economics and Politics, 1915-19.
Winnetka, Ill. Prepared by the Girton School, Winnetka.
- WOODBURY, ELIZA GORDON,.....*Group, Greek and English*, 1915-19.
Manchester, N. H. Prepared by Bradford Academy, Bradford, Mass.
- WOODRUFF, ALICE HUTCHINSON,.....*Group*, ———, 1918-19.
Scranton, Pa. Prepared by the Central High School, Scranton.
- WOODRUFF, RUTH JACKSON,
Group, Economics and Politics and Psychology, 1915-19.
Scranton, Pa. Prepared by the Central High School, Scranton. Maria Hopper Sophomore Scholar, 1916-17, Special Scholar, 1918-19.
- WOODWARD, KATHARINE FOX, . . . *Group, Chemistry and Biology*, 1917-19.
Worcester, Mass. Prepared by the Classical High School, Worcester, by the Friends' School, Washington, D. C., and by the Winsor School, Longwood, Mass.
- WORCESTER, WINIFRED KIRKHAM,
Group, French and Modern History, 1917-19.
New York City. Prepared by the Brearley School, New York City.
- WRIGHT, JEAN GRAY,.....*Group, French and Spanish*, 1915-19.
Lincoln University, Pa. Prepared by private tuition.
- WRIGHT, JULIA CABLE,.....*Group, English and* ———, 1918-19.
New Milford, Conn. Prepared by the High School, New Milford, and by Wykeham Rise, Washington, Conn.
- WURLITZER, VALESKA HELEN,.....*Group*, ———, 1918-19.
Cincinnati, O. Prepared by Oakhurst, Cincinnati.
- WYCKOFF, DOROTHY,.....*Group, Greek and Latin*, 1917-19.
Norwich, Conn. Prepared by the Norwich Free Academy. Bryn Mawr Matriculation Scholar for the New England States, 1917-18, and Frances Marion Simpson Scholar, 1917-19.
- WYCKOFF, LILLIAN,.....*Group*, ———, 1918-19.
Norwich, Conn. Prepared by the Norwich Free Academy. Bryn Mawr Matriculation Scholar for the New England States and Special Frances Marion Simpson Scholar, 1918-19.
- YEATMAN, JANE BELL,.....*Group*, ———, 1918-19.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Shipley School, Bryn Mawr, Pa.
- ZILKER, BIRDIE BOLEYN,.....*Group*, ———, 1916-19.
San Antonio, Tex. Prepared by the Mulholland School, San Antonio, and by the Misses Shipley's School, Bryn Mawr, Pa.
- ZINSSER, HELEN MARIE MOHR,.....*Group*, ———, 1916-19.
New York City. Prepared by Miss Spence's School, New York City.

SUMMARY OF STUDENTS.

Class of 1919,.....	95	
Class of 1920,.....	74	
Class of 1921,.....	114	
Class of 1922,.....	100	
Class of 1923,.....	1	
Hearers,.....	1	
		385
Resident Fellows,.....	15	
Graduates,.....	54	
Industrial Service Graduates,.....	29	
		98
Total,.....		483

BRYN MAWR COLLEGE.

BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

*Introductory
Statement.*

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate
Students.*

their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

***Fellows
and
Scholars.***

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European travelling fellowships, nineteen resident fellowships and thirty-nine graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 214 to 219.

***Under-
graduate
Students.***

Undergraduate students must have fulfilled the requirements for matriculation, stated on pages 165-190, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 190-199.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers.

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree.

* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The
Group
System.*

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English (two years), philosophy and science, are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required year in science permits the student of chemistry and biology to pursue an advanced course in one of these branches, or to take a minor course in physics; and gives for one year at least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

*Required
Courses.*

Post-Major Courses.

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

Free Elective Courses.

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

Courses of Study.

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, French, Italian, Spanish and German, Modern History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit and comparative Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, Modern and Old French, Italian, Spanish, and other Romance Languages, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Social Economy and Social Research, Philosophy, Psychology, Education, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Paleontology, Morphology, and Physiology.

Courses in Language and Literature.

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature.

Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

The undergraduate and graduate courses offered in the years 1918-19 and 1919-20 are as follows: *Courses of Instruction.*

Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Miss Abby Kirk, and Dr. Mary Hamilton Swindler.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Comparative Philology.

GRADUATE COURSES.

Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Students entering this Seminary are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of

Graduate Courses.

the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology. The courses in Elementary and Second Year Sanskrit will not in general be offered in the same year.

Seminary in Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-eight hours of lectures and recitations a week apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; two hours a week of free elective; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

Matriculation Course.

A course of five hours a week throughout the year is provided for those students that wish to study Greek and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Plato, *Apology* and *Crito* or *Protagoras* or *Phædo*, and Greek Prose Composition, Dr. Sanders. *Two hours a week.*

Major Course.

Sophocles, *Antigone*, Dr. Sanders. *One hour a week.*

Homer, *Odyssey*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders.

Two hours a week.

Herodotus, Dr. Sanders.

One hour a week.

Homer, *Iliad*, Dr. Wright.

Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

SECOND YEAR.

1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Aristophanes, Dr. Sanders.

One hour a week.

History of Greek Literature, Ionio-Dorian and Attic periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

Private reading: Æschylus, *Prometheus Vinculus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vinculus*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Thucydides, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Sophocles, Dr. Sanders.

One hour a week.

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: *Æschylus, Persæ*, ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; *Æschylus, Prometheus Vinculus*, ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.*Group:* Greek with any language, or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Ancient History, or with Classical Archæology, or with Mathematics.

FREE ELECTIVE COURSES.

*Free
Elective
Courses.*

Greek Religion and Greek Myths, Dr. Wright.

Two hours a week during the first semester.

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths. This course may be offered as part of the minor course in Ancient History or as part of the minor course in Classical Archæology.

Literary Geography of Greece and Asia Minor, Dr. Wright.

Two hours a week during the second semester.

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history. It may be offered as part of the minor course in Ancient History or as part of the minor course in Classical Archæology.

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Classical Archæology. See pages 122 to 123.

POST-MAJOR COURSES.

*Post-
Major
Courses.*

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the equivalent of the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1918-19 the following post-major courses are offered:

1st Semester.

Æschylus, <i>Oresteia</i> , Dr. Sanders.	<i>Two hours a week.</i>
Fourth Century Critics, Dr. Sanders.	<i>One hour a week.</i>
Palatine Anthology, Dr. Wright.	<i>Two hours a week.</i>

2nd Semester.

Pindar, Dr. Sanders.	<i>Two hours a week.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> , Dr. Sanders.	<i>One hour a week.</i>
Sophocles, <i>Ajax</i> , Dr. Wright.	<i>Two hours a week.</i>

In 1919-20 the following post-major courses are offered:

1st Semester.

Minor Orations of the Attic Orators, Dr. Sanders.	<i>Two hours a week.</i>
Sophocles, <i>Ædipus Tyrannus</i> , Dr. Sanders.	<i>One hour a week.</i>
Melic Poets, Dr. Wright.	<i>Two hours a week.</i>

2nd Semester.

Æschylus, <i>Agamemnon</i> , Dr. Sanders.	<i>Two hours a week.</i>
Greek Prose Composition and the Evolution of Style, Dr. Sanders.	<i>One hour a week.</i>
Plato, <i>Republic</i> , Dr. Wright.	<i>Two hours a week.</i>

In 1920-21 the following post-major courses are offered:

1st Semester.

Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> , Dr. Sanders.	<i>Two hours a week.</i>
Herodotus, Dr. Sanders.	<i>One hour a week.</i>
Theocritus, Dr. Wright.	<i>Two hours a week.</i>

2nd Semester.

Greek Rhetoricians and Prose Composition, Dr. Sanders.	<i>One hour a week.</i>
Bacchylides, Dr. Sanders.	<i>One hour a week.</i>
Euripides, <i>Bacchæ</i> , Dr. Sanders.	<i>One hour a week.</i>
Æschylus, <i>Septem</i> , or Lucian, Dr. Wright.	<i>Two hours a week.</i>

GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for

**Graduate
Courses.**

the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see pages 123 to 124.

Greek Seminary, Dr. Sanders.

Three hours a week throughout the year.

(Given in each year.)

In 1918-19 Greek Orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1919-20 Greek Historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1920-21 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism is devoted to Æschylus. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

Greek Seminary, Dr. Wright.

Two hours a week throughout the year.

(Given in each year.)

In 1918-19 the Homeric Question is the subject of the seminary; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticized in detail.

In 1919-20 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1920-21 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*,

Theætetus, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarizing the students with the achievements of scholarship and the general field of Platonic literature up to the present day. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

Greek Journal Club, Dr. Sanders and Dr. Wright.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, and Dr. Mary Hamilton Swindler, Instructor in Latin and Classical Archæology. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

FIRST YEAR.

(*Minor Course.*)*

1st Semester.

(*Given in each year.*)

Cicero, *Letters*, Dr. Wheeler and Dr. Swindler.

Three hours a week.

**Major
Course.**

The class is divided into two sections, one of which is assigned to each instructor.

Horace, *Odes*, Dr. Frank and Dr. Swindler.

Two hours a week.

(May be taken as a free elective.)

The class is divided into two sections, one of which is assigned to each instructor.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five-hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three-hour course in Cicero only read one half of Livy I (selections) in each semester. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

* For regulations regarding the passing off of the Minor Latin, see footnote, pages 174-175. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

2nd Semester.

Terence, *Phormio*, *Adelphoe*, and *Andria*, Dr. Wheeler and Dr. Swindler. *Three hours a week.*

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Frank and Dr. Swindler. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Livy I (selections) must be read by students taking the five-hour course. Livy I (selections) (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

SECOND YEAR.

1st Semester.

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.

Three hours a week.

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

Lectures on Latin Literature, Dr. Frank.

Two hours a week.

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Suetonius, *Tiberius* must be read by students taking the five-hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Suetonius, *Tiberius* (first half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

2nd Semester.

Latin Comedy, Plautus, Dr. Wheeler.

Three hours a week.

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Four or five plays are read in class.

Lectures on Latin Literature (continued), Dr. Frank.

Two hours a week.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five-hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy;

Suetonius, *Tiberius* (second half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

Group: Latin with any language, *or* with Philosophy, *or* with Classical Archæology, *or* with Ancient History, *or* with Mathematics.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

Post-Major Courses.

In 1918-19 and again in 1920-21 the following post-major courses are offered:

1st Semester.

Roman Elegy, Dr. Wheeler.

Two hours a week.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Frank.

Three hours a week.

The larger part of the *Æneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Frank.

Two hours a week.

This course is specially recommended to students who intend to teach Latin. It meets one hour a week, the remaining hour being given to interviews and individual work.

2nd Semester.

Roman Elegy (continued), Dr. Wheeler.

Two hours a week.

Roman Prose of the Empire, Dr. Frank.

Three hours a week.

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix are read.

Latin Prose Composition (continued), Dr. Frank.

Two hours a week.

In 1919-20 and again in 1921-22 the following post-major courses are offered:

1st Semester.

Roman Satire, Dr. Wheeler.

Two hours a week.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

Lucretius and Catullus, Dr. Frank.

Three hours a week.

Selections from the *De Rerum Natura* and from the Lyrics of Catullus are read.

Latin Prose Composition, Dr. Frank.

Two hours a week.

2nd Semester.

Roman Satire (continued), Dr. Wheeler.

Two hours a week.

Cicero and Cæsar, Dr. Frank.

Three hours a week.

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Latin Prose Composition (continued), Dr. Frank.

Two hours a week.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to six hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry, and Elegy and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminaries and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

Three hours a week throughout the year.

(Given in each year.)

In 1918-19 Latin Comedy is the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoedia*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1919-20 Roman Lyric in the Period of the Republic will be the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1920-21 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarize themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

Latin Seminary, Dr. Frank.

Two hours a week throughout the year.

(Given in each year.)

In 1918-19 Cicero's Correspondence is the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilization of Cicero's day.

In 1919-20 selected topics in Roman Literature will be studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose. The students read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

In 1920-21 Latin Epigraphy and Palæography will be the subject of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectæ* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

Latin Journal Club, Dr. Wheeler and Dr. Frank.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan,* Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Jean Baptiste Beck, Dr. Howard James Savage,† Mr. Samuel Arthur King, Dr. Howard Rollin Patch, Madame Claude Rivière, Dr. Agnes Rutherford Riddell, Miss Esther Cloudman Dunn, Miss Emily Gifford Noyes, Miss Helen McGregor Noyes, Dr. Margaret Steel Duncan, Dr. Mary Agnes Quimby, Miss Carolina Marcial Dorado, Miss Margaret W. Watson, Dr. Esther Parker Ellinger and Miss Eva Alice Worrall Bryne.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Regina Katharine

* Granted leave of absence for the years 1917-19.

† Granted leave of absence for the years 1917-19 for war service.

Crandall, Professor of English Composition, Dr. Samuel Claggett Chew, Associate Professor of English Literature, Dr. Howard James Savage,* Associate Professor of Rhetoric and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Howard Rollin Patch, Associate in English Philology, Miss Esther Cloudman Dunn, Instructor in English Composition and Acting Director of First and Second Year English Composition, Miss Emily Gifford Noyes, Miss Helen McGregor Noyes, Miss Margaret W. Watson and Dr. Esther Parker Ellinger, Instructors in English, and Miss Eva Alice Worrall Bryne, Reader in English.

The instruction offered in English covers forty-three hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with philosophy, or with philosophy and psychology, or as a free elective; eight hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Composition, Anglo-Saxon, and Early and Middle English.

Required Course.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition, though not connected with the lectures on literature and language, may not be elected separately. The courses are required to be taken in the order given below. The first year course must be completed before the second year course is taken and English Composition, Part I, must precede the first year lectures on the History of English Literature. The second year course in History of English Literature must precede the course in English Composition, Part II.

* Granted leave of absence for the years 1917-19 on war service.

FIRST YEAR.

*1st Semester.**(Given in each year.)*

General English Composition, Part I, Dr. Savage,* Miss Dunn, Miss E. G. Noyes, Miss H. M. Noyes, Miss Watson. *Four hours a week.*

For the most part, the course is concerned with a rapid survey of the elements of usage and discourse, and with the study of exposition, argument, and allied topics and forms. Some attention will be paid to oral composition. The written work consists of papers both short and long and various exercises. Personal interviews between instructor and student form an important part of the work. Much stress is laid upon illustrative reading. The class meets once, and sometimes twice, a week; the divisions meet regularly twice each week.

The Principles of Articulation, Mr. King.

One hour a fortnight.

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

2nd Semester.

Lectures on the History of English Literature, Miss Donnelly.

Five hours a week.

Beginning with a history of the English language and Anglo-Saxon literature, the lectures give a brief introduction to the study of early Teutonic literature and mythology. The history of English literature to the death of Spenser and of mediæval literature, occupies the second half of the course.

The Principles of Articulation (continued), Mr. King. *One hour a fortnight.*

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Lectures on the History of English Literature from the death of Spenser to the present time, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly. *Five hours a week.*

The Sonant Properties of Speech, Mr. King.

One hour a fortnight.

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

2nd Semester.

General English Composition, Part II, Dr. Savage,* Miss Dunn, Miss E. G. Noyes, Miss H. M. Noyes, Miss Watson, Dr. Ellinger.

Four hours a week.

In this course the work of the first year is continued with reference to description, narration, and allied forms and topics. The arrangements as to papers, reading, interviews, class meetings, and similar matters are like those for the first year.

* See footnote, page 64.

Major Course.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses. Any of the courses, except the courses in English Drama, in English Fiction in the nineteenth century, in English Literature from Dryden to Johnson, in English Literature from Bacon to Milton, and the courses in Shakespeare and in Middle English Poetry, and Chaucer, may be taken separately as free electives by students that have completed the required course. All students taking a major course in English must take one course in language, and those students who wish to specialise in language must take at least one course in literature.

FIRST YEAR.

*1st Semester.**Minor Course. (Literature.)*

English Critics of the Nineteenth Century, Dr. Chew. *Five hours a week.*

(Given in each year.)

Carlyle, Ruskin, Arnold, Pater, and Morley are studied with regard to their influence upon the thought of their time. A report is required from each student attending this course.

2nd Semester.

English Poetry, 1850-1914, Dr. Chew.

Five hours a week.

(Given in 1918-19 and again in 1920-21.)

A review of the progress of poetry during the first half of the nineteenth century is followed by a more detailed study of the poets of the later period.

English Romantic Poets, Miss Donnelly.

Five hours a week.

(Given in 1919-20 and again in 1921-22.)

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, and Keats. Their works are discussed in class in connection with questions of poetics and literary theory and reports are required from students attending the course.

*1st Semester.**Language.*

Middle English Poetry and Chaucer, Dr. Patch.

Five hours a week.

(Given in 1919-20 and again in 1921-22.)

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Lectures are given on the development of the language and literature during the period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

Anglo-Saxon Prose and Beowulf, Dr. Patch.

Five hours a week.

(Given in 1920-21 and again in 1922-23.)

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Wyatt and Chambers's text) and the first two-thirds of the poem is read with the class.

SECOND YEAR.

1st Semester.

Literature.

English Drama, Dr. Chew.

Five hours a week.

(Given in 1919-20 and again in 1921-22.)

This course comprises a survey of the early drama, close study of the Elizabethan and Jacobean dramatists (excluding Shakespeare), and an introduction to the later periods of the drama. A report is required from each student attending this course.

English Literature from Bacon to Milton, Dr. Chew.

(Given in 1920-21 and again in 1922-23.)

The Authorized Version of the Bible; late Elizabethan and Jacobean Prose; the poets following Spenser and before Milton; and related matters such as the Witch Controversy and the political pamphlets of the time are among the chief topics in this course. A report is required from each member of the class.

2nd Semester.

English Fiction in the Nineteenth Century, Dr. Savage.* Five hours a week.

(Given in 1920-21 and again in 1922-23.)

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

English Literature from Dryden to Johnson, Dr. Chew. Five hours a week.

(Given in 1920-21 and again in 1921-22.)

The poets from Butler to Thomson; the essayists; the philosophers from Hobbes to Hume; and the beginnings of the English novel are the chief subjects studied in this course. A report is required from each student attending the course.

2nd Semester.

Language.

Shakespeare, Dr. Patch.

Five hours a week.

(Given in 1920-21 and again in 1922-23.)

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work. The plays usually chosen are: *King Lear*, *Henry IV*, Part I, *Hamlet*, *Romeo and Juliet*, and *The Tempest*. Some of the more general problems connected with these plays are discussed in introductory lectures and various topics are taken up such as the principles of tragedy and comedy, the use of allegory and the development of Shakesperian criticism.

Middle English Romances, Dr. Patch.

Five hours a week.

(Given in 1918-19 and again in 1919-20.)

Selected romances in Middle English are read by the members of the class. The lectures deal with the development of Romance literature in Europe with special reference to the romances of the Arthurian cycle, and the discussion includes a review of the development of mediæval themes in later periods.

Group: English with any language, or English with Philosophy, or English with Philosophy and Psychology.

* See footnote, page 64.

FREE ELECTIVE COURSES.

**Free
Elective
Courses.**

The Technique of the Drama, Dr. Savage. *Two hours a week throughout the year.*
(Given in 1919-20 and again in 1921-22.)

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the making of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

Materials and Methods of Teaching Composition, Dr. Savage.

Two hours a week during the second semester.

(Given in 1921-22 and again in 1923-24.)

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

The Short Story, Dr. Crandall.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

The course deals with various forms of narrative, more especially the short story, and includes a study of the work of representative authors, both English and French. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course. This course was given in 1918-19 two hours a week during the second semester.

Versification, Dr. Crandall.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

The course is not historical but theoretical and practical. Students are required to write short exercises in verse every week. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course. This course was given in 1918-19 two hours a week during the second semester.

Daily Themes, Dr. Crandall.

Two hours a week during the first semester.

(Given in 1918-19, 1919-20 and again in 1921-22.)

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Criticism, Dr. Crandall.

Two hours a week throughout the year.

(Given in 1918-19, 1919-20 and again in 1921-22.)

The course includes a study of the principles of criticism and the writing of critical expositions, the essay, and kindred forms. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Argumentation, Dr. Crandall.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

General Reading of Prose Authors, Mr. King.

*One hour a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.

Reading of Shakespeare, Mr. King.

*One hour a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

GRADUATE COURSES.

There are offered each year distinct graduate seminaries and courses in English literature and in English language, and these seminaries and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Graduate Courses.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Miss Donnelly will offer in each year special assignments of reading and reports for foreign students who have come intending to study American literature and to prepare for examinations in it abroad.

No undergraduates are admitted to graduate courses.

Seminary in English Literature, Miss Donnelly.

*Two hours a week throughout the year.**(Given in alternate years.)*

In 1918-19 Eighteenth Century Prose is the subject of the seminary. Swift, Addison, and Steele are studied. Attention is given to their relations to both contemporary politics and literature.

In 1920-21 the Romantic Poets will be the subject of the seminary. Special attention will be paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent will be discussed.

In 1922-23 Donne and Milton will be the subject of the seminary. They will be studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

Seminary in English Literature, Dr. Chew.

Three hours a week throughout the year.

(Given in each year.)

In 1918-19 the earlier Romantic Period is the subject of the seminary. The poetry of Blake and Burns; the revival of interest in the popular ballads; the novel between Sterne and Scott; and the drama of the period are among the subjects considered.

In 1919-20 the seminary will study various aspects of English Literature during the reign of Victoria.

In 1920-21 the plays of Jonson, Webster, Middleton, and Dekker will be studied.

Seminary in English Composition, Dr. Crandall.

Two hours a week throughout the year.

The chief business of the seminary is the discussion and criticism of the students' own writing. Its aim is to make familiar and apply the principles and standards of criticism that have developed with the development of literature; the subject of study in each year is adapted to the purpose and interests of the students.

In 1918-19 the seminary studies the manner of writers of biography and memoirs, among others Boswell, Lord Morley and Henry Adams.

In 1919-20 the subject of the seminary will be historical writing and will include a study of the manner of Gibbon, J. R. Green, Motley, Parkman and other historians.

In 1920-21 modern fiction, English, French and Russian, will be the subject of the seminary.

Seminary in Middle English, Dr. Patch.

Three hours a week throughout the year.

(Given in each year.)

In 1918-19 the Beginnings of English Drama is the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles is studied. In considering the morality plays their connection with mediæval allegories, debates, and didactic treatises is specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1919-20 Middle English Romances will be the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, Arthurian cycle, romances of Germanic origin, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

In 1920-21 the seminary will study *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

Beowulf, Dr. Patch.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

This course begins with a careful textual study of the Beowulf. After discussing the problems of editing, a general survey of Beowulf criticism is presented including theories as to the composition of the poem, and an inquiry into its historical and mythological

elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar, Dr. Patch.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English. The students will examine various documents of the different periods to discover evidence of the operation of linguistic principles.

Cynewulf and Cædmon, Dr. Patch.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

Several of the poems traditionally ascribed to those authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

Technical and Advanced Criticism, Dr. Savage.*

Two hours a week during the first semester.

(Given in 1919-20.)

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

English Journal Club, Miss Donnelly, Dr. Chew, Dr. Crandall, Dr. Savage,* and Dr. Patch.

One and a half hours a month throughout the year.

(Given in each year.)

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Associate Professor of French; Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Madame Claude Rivière, Associate in French, and Dr. Margaret Steel Duncan, Instructor in French and Spanish.

The instruction offered in French covers thirty-one hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed

* See footnote, page 64.

the major course in French; and eleven hours a week of graduate work in modern French literature and in Old French literature and language. All the courses in French except the matriculation course and the seminary in philology are conducted in the French language.

Matriculation Course.

A class for beginners in French five hours a week throughout the year is provided, in order that those students whose matriculation examination did not include French may obtain a reading knowledge of it if they desire to do so. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in French. This course is given in 1918-19 by Dr. Duncan and in 1919-20 by Miss Crawford.

Major Course.

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral reading, Dr. Schenck and Madame Rivière.

Three hours a week.

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to give them a general survey of Modern French literature.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Dr. Schenck and Madame Rivière.

Two hours a week.

In the first semester selections from the poetry of Victor Hugo are read in class; in the second semester Balzac's *Eugénie Grandet* is read. In the course in syntax and composition Goodrich, *French Composition*, is used.

2nd Semester.

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral reading, (continued), Madame Rivière and Dr. Duncan.

Two hours a week.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Madame Rivière and Dr. Duncan.

Two hours a week.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in

translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a short passage of every-day idiomatic English.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on the history of French Literature in the seventeenth century accompanied by collateral reading, Dr. Beck. *Three hours a week.*

Critical Readings in the Literature of the seventeenth century. Studies in French Style and Composition, Dr. Beck. *Two hours a week.*

2nd Semester.

Lectures on the history of French Literature in the eighteenth century accompanied by collateral reading, Dr. Schenck. *Three hours a week.*

Critical Readings in the Literature of the eighteenth century. Studies in French Style and Composition, Dr. Schenck. *Two hours a week.*

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question in French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work.

Group: French with Italian and Spanish, or with any language, or with Modern History, or with History of Art.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Post-Major Courses.

Modern French Drama, Dr. Schenck. *Three hours a week throughout the year.*
(Given in 1918-19 and again in 1920-21.)

The course begins with a study of the plays of the Romantic period, and traces the development of French drama throughout the nineteenth century to the present day. A special study is made of the modern tendencies represented by Brieux, Maeterlinck, and Paul Claudel. The course is conducted by means of lectures, class-room discussion, and reports.

The Short Story (*Nouvelle*) in the nineteenth century, Dr. Schenck.*Three hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

Evolution of French Lyric Poetry, Madame Rivière.

*Two hours a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

The origins of modern French lyric poetry are discussed with special emphasis on the poets of the "Pléiade." The romantic movement, l'Ecole du Parnasse, and the later nineteenth century poets are also studied.

The Evolution of the French Essay, Madame Rivière.

*Two hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

The authors studied are Montaigne, Pascal, la Rochefoucauld, La Bruyère, Diderot, Voltaire, Renan, Sainte Beuve, Taine, etc.

GRADUATE COURSES.

Graduate Courses.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses, covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers about one main topic to be studied as a part of the history of French literature in its various relations to the general literature and civilisation of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

Literature.

Seminary in Modern French Literature, Dr. Schenck.

*Three hours a week throughout the year.**(Given in each year.)*

In 1918-19 the subject of the seminary is Nineteenth Century Drama. After a rapid survey of the theatre of the eighteenth century a careful study is made of the drama of Hugo, Dumas père, Vigny, and Musset, and the extent of the influence of Shakespeare on French romantic drama. The rise and development of realistic comedy are studied and the course closes with an examination of Post-Realism, Symbolism, and Contemporary French drama.

In 1919-20 the subject of the seminary will be Romanticism and Realism. The origins of romanticism will be examined in the rise of "*le cosmopolitisme littéraire*," in eighteenth century French literature and especially in the works of Rousseau and Madame de Staël.

A parallel study of the theories underlying literary and historical realism will be made in connection with Taine, Renan, Zola, and Maupassant.

In 1920-21 the subject of the seminary will be Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study is made of the origin and development of the theory of *L'art pour l'art*.

Seminary in Mediæval French Literature, Dr. Beck.

Two hours a week throughout the year.

The work expected of graduate students in the seminary in Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in Mediæval French literature. During her first year of work in this seminary each student is required to take also the Introduction into the Study of Romance Philology, unless she has already taken a corresponding course.

In 1918-19 the Evolution of Dramatic and Epic Literature from the twelfth to the sixteenth century is studied in the seminary: the development of actual stage drama from the primæval liturgical ceremonies, these and the epic parts of Scripture in relation to the Mystères; the dramatic elements contained in mediæval lyrics, such as the Aubes, Pastoureaux, Jeux-Partis and in the dialogue forms of certain types, such as the Chansons à danse; the primitive Opera comique, a combination of lyrics and epics; Aucassin et Nicolette, Robin et Marion, le Jeu de St. Nicolas, etc. The work of the second semester is devoted entirely to a systematic study of the origin and development of Old French epics in the light of Bédier's work.

In 1919-20 the subject of the seminary in Mediæval French Literature is the Origin of French Literature from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of mediæval literature from the previous Middle Latin literature, to show the interrelations between literature written in the various languages and dialects, both Romanic and Germanic, and the religious literature, and to illustrate the international character of literature during that period. The origin of mediæval lyric poetry is derived from the Tropes and Sequences of St. Martial de Limoges and of St. Gall, the Epic Poetry from the Lives of the Saints and the dramatic literature from the Liturgy of the Church. The absolute unity of mediæval art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of fine arts, such as architecture, sculpture, painting, and music.

In 1920-21 the subject of the seminary will be Rabelais' *Gargantua et Pantagruel*.

Old French Philology, Dr. Beck.

Three hours a week throughout the year.

(Given in each year.)

Historical Grammar of Old French, followed by Critical Reading of Old French texts, in their chronological order, chosen from the most representative genres and dialects, including Anglo-Norman. Students of Old French Philology should be provided with E. Monaci's *Facsimili di Documenti per la storia delle lingue e delle letterature Romanze*, Nyrop, *Grammaire historique de la Langue Française*, Vol. 1, and K. Bartsch, *Chrestomathie de l'Ancien Français*. This course is equivalent to a full seminary and counts as such.

Introduction into the Study of Romance Philology, Dr. Beck.

One hour a week throughout the year.

(Given in each year.)

Derivation of the Romance Languages, chiefly Old French, Old Italian and Old Spanish. This course is planned to meet the needs of all students of Romance Languages whether

they are specializing in French, Italian or Spanish. It will require two hours of work a week in addition to the hour of lecture. Graduate students taking the graduate course in Old French Philology or the graduate language courses in Italian and Spanish who have not had this course or its equivalent are strongly advised to take it at the same time, and will be given an allowance of three hours in the work required to make these courses equivalent to seminaries. The two combined courses will be equivalent to a full seminary and will count as such.

The Foundations of French Grammar, Dr. Beck.

One hour a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

This course is intended to train teachers to be able to give a rational explanation of the various functions of parts of speech and to dispense with mechanical grammatical rules.

Old Provençal, Dr. Beck.

One hour a week during the first semester.

(Given in 1919-20.)

Historical Grammar of the Old Provençal language.

Old Provençal Literature.

One hour a week during the second semester.

(Given in 1919-20.)

The evolution from the Tropes and Sequences of the Troubadour-Lyrics and earliest Provençal Drama.

The Influence of Mediæval Latin Poetry upon Romance and Teutonic Versification, Dr. Beck.

One hour a week throughout the year.

(Given in 1919-20 if the courses in old Provençal are not given.)

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance languages explains the dissimilarity in their respective versification. The origin of Rime and of Isosyllabism in French.

Students who take this course are supposed to be familiar with classical and mediæval literature.

Advanced Old French Philology, Dr. Beck.

One hour a week throughout the year.

(Given in 1919-20 if the courses in old Provençal are not given.)

The influence of Mediæval Latin upon the formation of the Old French literary language is studied. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

This course is open only to graduate students who have already taken the graduate course in Old French Philology and the seminary in Mediæval French Literature or their equivalents.

French Literature, Madame Rivière.

Two hours a week throughout the year.

(Given in each year.)

The method used in advanced literary instruction in France and known as the "*Explications de textes*" will be employed, students being required to give oral lessons and to write many short papers.

In 1918-19 seventeenth century authors are studied.

In 1919-20 authors of the eighteenth century will be studied.

In 1920-21 the period selected will be the sixteenth century.

Romance Languages Journal Club, Dr. Schenck, Dr. Beck, Madame Rivière, Dr. Riddell, Miss Dorado, and Dr. Duncan.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology.

Italian.

The instruction in this department is given by Dr. Agnes Rutherford Riddell, Associate in Italian.

The instruction offered in Italian covers twelve hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group.

FIRST YEAR.**(Minor Course.)***(Given in each year.)*

Introductory Italian, Dr. Riddell.

*Five hours a week throughout the year.**(May be taken as a free elective.)***Major Course.**

This course is specially designed to enable students (a) to read modern Italian and to write simple Italian; (b) to read Dante as soon as possible. The reading of Dante will, it is hoped, be begun before the end of the first semester. Some practice is given in speaking Italian.

The advanced standing examinations or examinations taken without attendance on the college classes in the minor course in Italian, five hours a week for one or two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college by regular and systematic study, or by residence abroad, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering college. Failure to pass at the first trial will disqualify from further trials.

SECOND YEAR.

Lectures on the History of Italian Literature, Dr. Riddell.

Three hours a week throughout the year.

The influence of Italian on other literatures, especially English literature. Reading from Petrarch, Boccaccio, Boiardo, Ariosto, Castiglione, Tasso, Goldoni, Alfieri, Manzoni, Leopardi, Carducci and others.

Reading and Composition, Dr. Riddell. *Two hours a week throughout the year.*

Reading of modern plays and short stories, from D'Annunzio and others. Composition in Italian.

Group: Italian, or Italian and Spanish, with any language, or Italian with History, or with History of Art.

GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic **Graduate Courses.**

Council. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Seminary in Italian Literature, Dr. Riddell.

Two hours a week throughout the year.

In 1918-19 the subject of the seminary is the Development of the Drama. The early drama, the *commedia dell' arte*, the drama of the eighteenth century, and the modern drama are studied.

In 1919-20 the subject of the seminary will be the Development of the Novel. The popular tale, the *novella*, and other manifestations of the story form will be studied. Special attention will be paid to the modern novel.

In 1920-21 the subject of the seminary will be the Heroic Epic, with special study of Ariosto and Tasso.

If necessary, modifications will be made in the work of the seminary to meet the special requirements of students presenting themselves for it.

Romance Languages Journal Club, Dr. Schenck, Dr. Beck, Madame Rivière, Dr. Riddell, Miss Dorado, and Dr. Duncan.

One and a half hours a fortnight throughout the year.

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan,* Professor of Spanish; Miss Carolina Marcial Dorado, Instructor in Spanish, and Dr. Margaret Steel Duncan, Instructor in French and Spanish.

The instruction offered in Spanish covers nineteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; five hours a week of post major work; and four hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Spanish, Division A, Dr. DeHaan.*

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish. The first few weeks are given to the essentials of grammar; exercises at frequent intervals

Major Course.

* Granted leave of absence for the years 1917-19.

during the first semester give practice in the application of the principles; the remaining time is given to reading; plays in prose and in verse are read and attention is paid to versification.

Spanish, Division B, Miss Dorado.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish.

The first weeks are given to the essentials of grammar; exercises at frequent intervals during the first semester give practice in the application of the principles; the remaining time is given to reading prose texts. In the second semester exercises in composition are continued but a greater proportion of the time is given to reading; and special attention is paid to conversation.

In 1918-19 the two divisions of the class were conducted by Miss Dorado and Dr. Duncan.

The advanced standing examinations or examinations taken without attendance on the college classes in the minor course in Spanish, five hours a week for one or two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials.

SECOND YEAR.

(Given in each year.)

Spanish, Dr. DeHaan.*

Five hours a week during the first semester.

The work of the first year course is extended by the reading of moderately long and fairly difficult novels by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish. In 1918-19 the course was conducted four hours a week throughout the year by Miss Dorado and one hour a week by Dr. Duncan.

Spanish, Miss Dorado.

Five hours a week during the second semester.

The work of the first semester is continued and collateral reading is required throughout.

Group: Spanish or Italian and Spanish with any language, or Spanish with History or with History of Art.

Post-Major Courses.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Advanced Spanish, Dr. DeHaan.*

Two hours a week throughout the year.

(Given in each year.)

The course consists of readings of classical, pre-classical, and modern literature, translation of English prose into Spanish, and the writings of compositions in Spanish. Some time is devoted to the history of Spanish literature.

The Spanish Short Story, Miss Dorado.

Three hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The most important short stories are read by the class and a careful study is made of the literary form.

Spanish Lyric Poetry, Miss Dorado.

Three hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

The best lyric poetry published within the last fifty years is read and discussed.

* Granted leave of absence for the years 1917-19.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work or graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

The graduate seminaries in Spanish are varied from year to year in order that they may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Seminary in Spanish, Dr. DeHaan.

Two hours a week throughout the year.

(Given in each year provided the courses in Spanish Philology and Old Spanish Readings are not given.)

In 1919-20 the plays of Tirso de Molina will be the subject of the seminary.

Spanish Philology, Dr. DeHaan.

One hour a week throughout the year.

(Offered provided the seminary in Spanish is not given.)

Old Spanish Readings, Dr. DeHaan.

One hour a week throughout the year.

(Offered provided the seminary in Spanish is not given.)

Seminary in Spanish Literature, Miss Dorado.

Two hours a week throughout the year.

In 1919-20 Spanish literature from the middle of the nineteenth century up to the present time will be the subject of the seminary.

In 1920-21 Spanish literature of the first half of the nineteenth century will be studied.

In 1921-22 the late sixteenth and early seventeenth century will be the period dealt with.

German.

The instruction* in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, and Dr. Mary Agnes Quimby, Instructor in German.

The instruction offered in German covers twenty-three hours of lectures and recitations a week; it includes five hours a week of matriculation German; five hours a week of undergraduate major and minor work; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

* Owing to the small number of students electing courses in German temporary arrangements may be made for instruction in those courses for which the name of the instructor is not announced.

A class for beginners in German, conducted by Dr. Quimby, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may obtain a reading knowledge of it if they desire to do so. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in German.

Matriculation Course.

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

Major Course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. As much collateral reading as possible, done either in or out of class, will illustrate the lectures. Weicher's *Deutsche Literaturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Grillparzer, *Sappho*, and Freytag, *Die Journalisten*, must be read by students taking the course in the first semester; Hebbel, *Agnes Bernauer*, and Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Jessen.

Two hours a week throughout the year.

German Grammar and Prose Composition, Dr. Jessen.

One hour a week throughout the year.

The course in critical reading consists of translations of modern German prose and verse. Selections from Goethe's *Dichtung und Wahrheit* are studied and a number of Goethe's earlier writings are read by the students and discussed in class. They are selected so as to illustrate the events narrated in *Dichtung und Wahrheit*. For translation of English into German, Whitney and Stroebe's *Advanced German Composition* (Holt & Co.) and Ruskin's *Praeterita* are used. German grammar is carefully reviewed in Thomas's *Practical German Grammar* (Holt & Co.).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Die Piccolomini*, *Wallenstein's Tod* (Henry Holt & Co., New York), must be read by students taking the courses in the first semester; Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

Lectures on the History of German Literature from Luther to the Romantic School.*

Two hours a week throughout the year.

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Private reading: Goethe, *Italianische Reise*, and Lessing, *Nathan der Weise*, must be read by students taking the course in the first semester; Frenssen's *Jörn Uhl* and Nietzsche's *Essays*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Faust-Legend and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts).*

Two hours a week throughout the year.

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of such Faustlike legends in mediæval literature as those of Theophilus and Cyprian, up to Calderon's *Il magico prodigioso*, the Faust-Legend in its many pre-eminently English and German ramifications, will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings.

Private reading will be announced later.

German Prose Composition and Reading.*

One hour a week throughout the year.

In this course the students translate selected passages of difficult English prose into German. The texts are taken from Henry Craik's *English Prose*, vol. 5 (The Macmillan Co.). Treitschke, *Kleine Schriften* will be translated into English.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Kleist's *Michael Kohlhaas* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students taking this course in the second semester. Examinations on the private reading must be taken at the scheduled times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: German with any language, or with History, or with History of Art.

* See footnote, page 80.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Post-Major Courses.

Lectures on the History of German Literature from the Romantic School to 1850, Dr. Jessen.

Two hours a week during the first semester.

(Given in 1918-19 and again in 1920-21.)

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf are the principal topics discussed.

German Drama in the Nineteenth Century, Dr. Jessen.

Two hours a week during the second semester.

(Given in 1918-19 and again in 1920-21.)

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

German Literature from 1850 to the Present Time, Dr. Jessen.

Two hours a week during the first semester.

(Given in 1919-20 and again in 1921-22.)

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the Present Time (continued), Dr. Jessen.

Two hours a week during the second semester.

(Given in 1919-20 and again in 1921-22.)

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

Advanced Critical Reading, Dr. Jessen.

One hour a week throughout the year.

(Given in each year.)

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Advanced German Composition.**One hour a week throughout the year.**(Given in each year when the time of the department permits.)*

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

Elementary Middle High German.**One hour a week throughout the year.**(Given in each year when the time of the department permits.)*

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Paul's *Mittelhochdeutsche Grammatik* (8th ed., Halle, 1911) and Hartman von Aue's *Der arme Heinrich* are used.

GRADUATE COURSES.**Graduate Courses.**

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology* accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic Philology as an associated minor and students who offer Teutonic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Seminary in German Literature, Dr. Jessen.*Two hours a week throughout the year.**(Given in each year.)*

It is hoped that the students will become familiar in the seminary with the methods of scientific literary criticism and investigation.

In 1918-19 the Romanticism of early modern German literature is studied in the seminary.

In 1919-20 topics from the classical period of German literature will be studied. Alternative subjects of study will be Luther and the Humanists or Nietzsche.

In 1920-21 Goethe will be the subject of study in the seminary.

*See footnote, page 80.

German Metrics, Dr. Jessen.

*One hour a week during the first semester.**(Given in 1918-19 and again in 1920-21.)*

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics, Dr. Jessen.

*One hour a week during the second semester.**(Given in 1918-19 and again in 1920-21.)*

Lectures are given on *Deutsche Poetik* and *Stilistik*.

German Literary Criticism, Dr. Jessen.

*One hour a week during the first semester.**(Given in 1919-20 and again in 1921-22.)*

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative in character, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

The German Essay, Dr. Jessen.

*One hour a week during the second semester.**(Given in 1919-20 and again in 1921-22.)*

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Goethe's *Faust*, Dr. Jessen.*Two hours a week throughout the year.**(Given in each year when the time of the department permits.)*

This course is intended as an introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works, Dr. Jessen.

*Two hours a week throughout the year.**(Given in each year when the time of the department permits.)*

This course aims at giving an introduction into *Goethe-philologie*.

German Journal Club, Dr. Jessen.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

GENERAL TEUTONIC PHILOLOGY.

Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic phi-

logy, Gothic and Middle High German grammar are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Teutonic Seminary.*

Two hours a week throughout the year.

(Given in each year.)

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1918-19 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied in the first semester. The many problems that these texts offer and the various attempts to solve them will be discussed. In the second semester modern High German texts will be the subject of the seminary.

In 1919-20 the subject of the seminary is taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

In 1920-21 the seminary is devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) will also be studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Introduction to the Study of Teutonic Philology.*

One hour a week throughout the year.

(Given in each year.)

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

Gothic.*

Two hours a week throughout the year.

(Given in each year.)

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

* See footnote, page 80.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts.*

Two hours a week throughout the year.

(Given in each year.)

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German.*

One hour a week throughout the year.

(Given in each year.)

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar will be studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse.*

Two hours a week throughout the year.

(Given in each year.)

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3d ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

Old Saxon.*

Two hours a week during the second semester

(Given in alternate years.)

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German.*

One hour a week throughout the year.

(Given in alternate years.)

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

* See footnote, page 80.

Old High German*

*Two hours a week throughout the year.**(Given in alternate years.)*

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, and Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar.*

*One hour a week throughout the year.**(Given in alternate years.)*

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes two courses, one of three hours a week and one of two hours a week in Oriental History, two hours a week of free elective courses in Biblical Literature, and five hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the

* See footnote, page 80.

specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

MINOR COURSE.

(Given in each year.)

History of the Near East, Dr. Barton. *Three hours a week throughout the year.*

**Minor
Course.**

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

History of the Far East, Dr. Barton. *Two hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

FREE ELECTIVE COURSES.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

**Free
Elective
Courses.**

Biblical Literature, Dr. Barton.

Two hours a week throughout the year.

One of the following courses will be given in each year, the choice depending on the registration of the students:

History of the Old Testament Canon: In this course the history of the composition of the books of the Old Testament and their collection into a canon are studied. Special attention is given to the literary form and purpose of each book.

History of the New Testament Canon: In this course the history of the composition and collection of the books of the New Testament is studied. The instruction is given in lectures, and reading is assigned in the New Testament and in modern literature concerning it. In 1918-19 this course was given one hour a week throughout the year.

New Testament Biography: The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of Christian Doctrine: In the first semester the study is devoted to the Old Testament conceptions of God, Sin, and Redemption, and to Christianity as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

The Religions of the World: The course begins with a study in primitive religions of certain fundamental conceptions. The great historical religions of the world are then studied in outline with special reference to the origin, development, and fundamental ideas of each.

GRADUATE COURSES.

Graduate Courses.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to two hours a week may be elected by graduate students.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1918-19 and again in 1920-21:

Semitic Seminary, Dr. Barton.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew, one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Comparative Semitic Grammar, Dr. Barton.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages. This course is to be taken in the fourth year of study of Semitic languages.

Ethiopic, Dr. Barton.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Seminary in Aramaic and Arabic, Dr. Barton.*Two hours a week throughout the year.*

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Egyptian, Dr. Barton.*One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in Oriental Archæology, Dr. Barton.*One hour a week throughout the year.*

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

The following courses are offered in 1919-20 and again in 1921-22:

Semitic Seminary, Dr. Barton.*Two hours a week throughout the year.*

The work of the seminary is continued as given in 1918-19.

Seminary in New Testament Greek, Dr. Barton.*One hour a week throughout the year.*

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline. A course in Greek equivalent to the major course in Greek in Bryn Mawr College is required of students taking this seminary.

Seminary in the History of Religion, Dr. Barton.*One hour a week throughout the year.*

The work of this seminary may be carried on in either of the following ways: By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view. The time may be devoted to investigating problems connected with one religion.

Elementary Semitic Languages, Dr. Barton.*Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew Literature, Dr. Barton.*One hour a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray,* Professor of History, Dr. William Roy Smith,† Professor of History, Dr. Charles Wendell David, Associate Professor of History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, Dr. Wilmer Cave Wright, Associate Professor of Greek, and Dr. Anna Lane Lingelbach, Lecturer in History.

The instruction offered in history covers forty-one hours of lectures a week; it includes fifteen hours a week of undergraduate major and minor work in modern history and seven hours a week of minor work in ancient history; five hours a week of free elective; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and nine hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

History of Europe from 1789 to 1915, Dr. Gray and Dr. David.

Five hours a week.

(This course may be taken as a free elective. The class is given in two sections, one conducted by Dr. Gray, the other by Dr. David.)

The course deals with the political and social transformation of Europe which was initiated by the French Revolution. The outcome of the Revolution, the career of

* Granted leave of absence for the year 1918-19. The courses announced by Dr. Gray were offered by Dr. Lingelbach in 1918-19.

† Granted leave of absence for the year 1919-20. The courses announced by Professor William Roy Smith will be given by an instructor whose appointment will be announced later.

Napoleon, the absolutist reaction of the early nineteenth century, the successive revolts against this, the formation of modern constitutional governments, the creation of the German Empire and the Kingdom of Italy, the extension of European influence to Asia and Africa, and the treatment of social problems of today are among the topics studied. The instruction is given by means of lectures, required reading, written papers, and discussion.

2nd Semester.

History of Europe from 1517 to 1789, Dr. William Roy Smith.*

Five hours a week.

(This course may be taken as a free elective. The course in the Civilization of the Ancient World may be substituted for this course.)

The course begins with a brief survey of the organisation of the mediæval Church, the rise and decline of the Papacy, and the pre-Lutheran reform movements. It then considers, more in detail, the Reformation, the Catholic Reformation, and the Religious Wars, the territorial expansion of France and the rise of French absolutism, the theory of the balance of power; the rise of Prussia and Russia; the expansion of England; the benevolent despotisms of the eighteenth century; and the antecedents of the French Revolution.

Civilization of the Ancient World, Dr. David.

Five hours a week.

(This course may be taken as a free elective. The course in the History of Europe from 1517 to 1789 may be substituted for this course.)

The origin and development of Mediterranean civilization from earliest times to the fourth century A. D. are broadly treated. Special attention is paid to Greece and Rome but the evolution of civilization as a whole is the main theme of the course.

SECOND YEAR.

1st Semester.

British Imperialism, Dr. William Roy Smith.*

Five hours a week.

(Given in each year.)

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

2nd Semester.

History of the Renaissance, Dr. Gray.

Five hours a week.

(Given in 1919-20 and in each succeeding year.)

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

An endeavour is made to indicate in what ways mediæval life and thought were transformed into those of modern Europe. Political, economic, literary, artistic and scientific changes are therefore studied. Since Italians were prominent in the new movements, most attention is given to Italian history, but the innovations of the North, especially those connected with the new Burgundian State, are not neglected. The period extends in a general way from 1250 to 1527.

* See footnote, page 92.

History of the Slavs in Europe, Dr. Lingelbach.

*Five hours a week.**(Given in 1918-19.)*

This course deals especially with the history of the Russian people, their political, economic, social and artistic development. The growth of autocracy, imperialism and Bolshevism is taken up in detail. A study is also made of Poland, Bohemia and the Slavic nations of southeastern Europe, their gradual absorption by their more powerful neighbors, their stubborn struggles for national existence, and their present claims to recognition. Russian and other Slavic literature is freely used as illustrative material.

FIRST YEAR.

*Ancient History.*History of the Near East, Dr. Barton. *Three hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester, but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in broad outlines the history of the civilization of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs.

History of the Far East, Dr. Barton.

*Two hours a week throughout the year.**(Given in each year.)*

(This course may be taken as a free elective and may be entered in the second semester, but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

Greek Religion and Greek Myths, Dr. Wright.

*Two hours a week during the first semester.**(Given in each year.)*

(This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.)

The course treats of the development of Greek religion, the attributes of the Olympian gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

Literary Geography of Greece and Asia Minor, Dr. Wright.

*Two hours a week during the second semester.**(Given in each year.)*

(This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.)

The course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history.

Group: History with Economics and Politics; History with German, or with French, or with Italian, or with Spanish, or with History of Art.

•
FREE ELECTIVE COURSES.

History of the United States from 1865 to 1915, Dr. William Roy Smith.*

Two hours a week throughout the year.

(Given in each year.)

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They are also taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources.

History of Europe since 1860 with reference to the War of 1914, Dr. Lingelbach.

Three hours a week throughout the year.

(Given in 1918-19.)

History of Mediæval Europe, Dr. David.

Three hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

An attempt will be made to trace the political, institutional, economic, social and intellectual development of mediæval Europe from the decline of ancient culture to the thirteenth century. Special attention will be devoted to the church as a great civilizing influence, to the outstanding writers and thinkers of all periods, and to the renaissance of the twelfth century. Instruction will be by means of lectures, directed reading, and classroom discussion.

POST-MAJOR COURSES.

England to 1485, Dr. Gray.

Three hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

England under the Tudors, Dr. Gray.

Three hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

Attention is given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes.

American Constitutional History from 1783 to 1865, Dr. William Roy Smith.*

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

**Free
Elective
Courses.**

**Post-
Major
Courses.**

* See footnote, page 92.

American Constitutional History to 1783, Dr. William Roy Smith.*

*Two hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

The French Revolution and Napoleon, Dr. David.

*Three hours a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

GRADUATE COURSES.

Three distinct seminaries, two in English and European history, and one in American history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the Seminary library of the department. No undergraduates are admitted to graduate courses or to the Seminary library.

Seminary in English and European History, Dr. Gray.

*Three hours a week throughout the year.**(Given in each year.)*

In 1918-19 England in the sixteenth century is the subject of the seminary. The agrarian problem and the disorder connected with it, the increase of royal power at the expense of the old nobility, the rise of a new nobility, the renunciation by the English church of papal authority with the consequent administrative and dogmatic changes, the commercial and colonial ambitions of England, and the conflict with Spain receive attention.

In 1919-20 the subject of the seminary will be a study of the reigns of Edward III and Richard II. The progress of the Hundred Years' War, the innovations in military science, the social changes wrought by the Black Death, the attitude of government and people toward the church, the causes of the Peasants' Revolt of 1381, the rise of a native merchant class, and the composition and power of Parliament will receive attention. Contemporary chronicles and state papers are the bases of study.

In 1920-21 the subject of the seminary will be England in the fifteenth century. The development of the art of war, the legislation of Lancastrian and Yorkist parliaments, the prosperity of towns and merchants, the influence of the Burgundian connection, and the effects of the War of the Roses are examined.

* See footnote, page 92.

Seminary in American History, Dr. William Roy Smith.*

*Two hours a week throughout the year.**(Given in each year.)*

In 1918-19 the Revolution, the Confederation, and the Constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1919-20 the seminary will deal with the Civil War and Reconstruction. Special stress will be laid upon the social, economic, and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

In 1920-21 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.

Seminary in Mediæval and Modern European History, Dr. David.

*Two hours a week throughout the year.**(Not given in 1919-20.)*

In 1918-19 the subject of the seminary is the French Revolution and Napoleon. Topics are selected for special study either from the revolutionary or from the Napoleonic period with a view to illustrating various kinds of historical problems and gaining an adequate working knowledge of the principal printed sources and of the more important secondary writers.

In 1919-20 the subject of the seminary will be England during the transitional period of the late eighteenth and early nineteenth centuries. Special attention will be paid to the prospect of reform in England at the outbreak of the French Revolution, to the effect of the struggle with France and Napoleon upon England, and to the reform movement after the overthrow of Napoleon.

In 1920-21 the subject of the seminary will be England during the twelfth century. Special attention will be paid to the reigns of Henry I and Henry II, to institutional and cultural developments, and to English continental possessions and connections.

Historical Method and Bibliography, Dr. David.

*One hour a week throughout the year.**(Given in 1919-20.)*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students in history during their first year of graduate study.

Historical Journal Club, Dr. Gray, Dr. William Roy Smith,* Dr. David, and Dr. Lingelbach.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

* See footnote, page 92.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith,* Professor of Economics and Politics, Dr. Charles Ghequiere Fenwick, Professor of Political Science, and Miss Marjorie Lorne Franklin, Instructor in Economics and Politics.

The instruction offered in this department covers twenty-five hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour of free elective, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and nine hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Introduction to Economics, Dr. Marion Parris Smith* and Miss Franklin.

Five hours a week

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Marion Parris Smith* and one by Miss Franklin.

The objects of this course are to introduce the students to the economic problems in the modern state, and to train them to think clearly on economic subjects. The subjects considered are production, agricultural and industrial; distribution of wealth, the mechanism of exchange, economic institutions of money, banking, foreign exchange, markets; transportation, etc.

Students are required to write occasional short papers in connection with their private reading, and one short report on a specially assigned topic.

* Granted leave of absence for the year 1919-20. The courses announced by Dr. Marion Parris Smith for the year 1919-20 will be given by an instructor whose appointment will be announced later.

2nd Semester.

Introduction to Government and Politics, Dr. Fenwick and Miss Franklin. *Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Fenwick and one by Miss Franklin.)

The object of this course is to present the structure and organization of the government of the United States and of the government of the several states, together with an examination of the party system and its effects upon the actual operations of government. It is followed by a comparative study of the governments of Great Britain, France, and Germany.

SECOND YEAR.

1st Semester.

(Given in each year.)

Present Political Problems, Dr. Fenwick. *Five hours a week.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to present the chief political problems that have arisen in recent years. The study of practical problems is preceded by a study of theories relating to the origin and nature of the state, its end or object, and the proper sphere of state activities, under which last heading the various theories of individualism, liberalism, and socialism will be studied. Modern reforms in federal, state, and city government are next studied, and particular stress is laid upon the extension of federal power in the United States and the relation between the Fourteenth Amendment and modern social and economic legislation adopted in the exercise of the police powers of the several states.

2nd Semester.

History of Economic Thought and Recent Economic Problems, Dr. Marion Parris Smith.* *Five hours a week.*

The course is divided into two parts: Part I aims to give students an historical introduction as a basis for a critical study of modern economic problems. The students read in connection with this section parts of Adam Smith's *Wealth of Nation*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; and selections from the writings of John Stuart Mill, Jevons, Wicksteed, Boehm-Bawerk, and Pantaleoni.

In part II certain modern economic problems are considered in some detail: distribution under socialism, co-operation, profit sharing, the minimum wage, the eight-hour day, tax reforms, price fixing, etc. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Geology.

FREE ELECTIVE COURSE.

Elements of Private Law, Dr. Fenwick. *One hour a week throughout the year.*

(Given in each year.)

(This course may be elected only by students who have studied economics and politics or modern history at least five hours a week for one year.)

**Free
Elective
Course.**

*See footnote, page 98.

The object of this course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of procedure. The lectures are supplemented by a study and discussion of court cases bearing on the subject.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

American Economic and Social Problems, Dr. Marion Parris Smith.*

Three hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; problems of food distribution and marketing, cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

Economic and Social Legislation in England and America since 1890, Dr. Marion Parris Smith.*

Three hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

International Law, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1918-19 and again in 1919-20.)

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the question of international reorganization at the present time stress is laid upon the problems involved in a League of Nations.

Constitutional Law of the United States, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1920-21.)

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

* See footnote, page 98.

GRADUATE COURSES.

Nine hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics. **Graduate Courses.**

Three seminaries, one in economics, two in political science, are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is given in the Department of Social Economy. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Economics Seminary, Dr. Marion Parris Smith.*

Two hours a week throughout the year.

(Given in each year.)

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1918-19 the Tariff, Currency, and Banking in the United States will be the subjects of the seminary.

In 1919-20* the subject of the seminary will be Taxation, Banking, and Railroad Finance since 1900.

In 1920-21 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth are studied. Special attention is paid to wage problems, profit sharing, various plans for controlling large scale production, land reforms, and income and excess profits taxation.

In 1921-22 Economic Theory and Economic History in the United States from 1790 to 1850 will be studied.

Politics Seminary, Dr. Fenwick.

Three hours a week throughout the year.

(Given in each year.)

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1918-19 Constitutional Questions involved in Modern Economic and Social Problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

In 1919-20 Comparative Constitutional Government will be the subject of the seminary. The object will be to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised will be the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1920-21 the Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students will be required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

Seminary in Municipal Government, Miss Franklin.

Three hours a week throughout the year.

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city-manager forms, are considered in the early part of the course. A study of modern municipal administration follows, including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises the public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Economics and Politics Journal Club, Dr. Marion Parris Smith,* Dr. Fenwick, and Miss Franklin.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Economy and Social Research; Miss Angie Lillian Kellogg, Instructor (and Associate elect) in Social Economy and Social Research; Miss Anne Bezanson, Instructor in Social Economy and Social Research; and Miss Gladys Louise Palmer, Secretary to the Department of Social Economy and Social Research, with the co-operation of the following members of the closely allied departments of Economics and Politics, Psychology, Education, and Philosophy: Dr. Marion

See footnote, page 98.

Parris Smith,* Professor of Economics; Dr. Charles Ghequiere Fenwick, Professor of Political Science; Miss Marjorie Lorne Franklin, Instructor in Economics and Politics; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Dr. Matilde Castro, Professor of Education; Dr. David Hilt Tennent, Professor of Biology, and Dr. Ellen C. Potter, Lecturer in Social Hygiene. The seminars and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergraduate students are admitted although graduate students in the department may elect, subject to the approval of the Director, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, psychology, philosophy, or history, and also preliminary work in psychology or biology, or should follow such courses while taking the work of the department.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and the remaining one-third to practical work and investigation in her chosen field. Students entering the department are expected to pursue the work throughout one year at least. After one year of work in this department one-half year may be given to a practicum in residence in a social service institution, in connection with a social welfare or community organization, in a federal or state department of Labour and Industry, in a federal or state employment office, or in a manufacturing or mercantile establishment in Philadelphia, New York, New England, or elsewhere, during which time the practical work and special reading and research will be supervised by the instructor in charge of

See footnote, page 98.

the practicum and the head of the institution, department or business firm.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies, federal and state departments and manufacturers and merchants to secure for its students definite affiliations with practical work in the fields chosen by them. This has led in the years 1915-18 to an arrangement for co-operative work with the College Settlement, the Municipal Court, the Society for Organizing Charity, the Women's Trade Union League, the Social Service Departments of the University of Pennsylvania Hospital, the Bryn Mawr Community Center, the Massachusetts Minimum Wage Commission, the Federal Children's Bureau, the Children's Aid Society, the Consumers' League, the Seybert Institution, the White-Williams Foundation, the U. S. Employment Service, and the State Department of Labour and Industry.

The following business firms have afforded opportunity for practical work in industrial supervision and employment management in or near Philadelphia:

American Pulley Company, Atlantic Refining Company, Barrett Company, Bell Telephone Company, Edward G. Budd Manufacturing Company, A. M. Collins Company, Curtis Publishing Company, Henry Disston & Sons Company, Eddystone Munitions Works, General Electric Company, Hog Island, Link Belt Company, MacArthur Brothers, Midvale Steel Corporation, Miller Lock Company, Notaseme Hosiery Company, Pennsylvania Railroad, Fayette R. Plumb Company, J. B. Stetson Company, Sutro Hosiery Company, John Wanamaker.

Graduates of colleges other than Bryn Mawr College that have completed the required preliminary work in Economics, Political Science and Psychology and are able to study for one year only will receive certificates stating the courses they have satisfactorily completed. As the degree of Master of Arts is conferred only on graduates of Bryn Mawr College it is hoped that this certificate will in many cases be accepted for the master's degree in the colleges and universities from which students have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

Graduate students that have completed the required preliminary work who are able to study for two years will receive certificates stating the courses they have satisfactorily completed.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select the associated or independent minor from the following seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee. Candidates for this degree in other departments may elect, with the approval of the Director, the following seminaries for the associated or the independent minor according to the regulations of the Academic Council of Bryn Mawr College.

Six seminaries, three including practicums, and five graduate courses, are given each year in the Carola Woerishoffer Department in addition to seminaries and courses in economics, politics, education, philosophy, and psychology. Direction of investigation and research in special fields, and supervision of the practicum in social and industrial welfare accompanies the seminaries and courses. The seminaries and courses announced by the department are given in rotation so that different courses may be taken in consecutive years. The selection of courses depends upon the field of social work which the student may choose. A seminary in Social Economy or a seminary in Social Theory, and, unless previously taken, undergraduate courses in Elements of Statistics and Methods of Social Research are required of all students of the department.

FREE ELECTIVE COURSES.

Elements of Statistics, Miss Bezanson. *One hour a week throughout the year.*
(Given in each year.)

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation.

The course is recommended to students of social economy and of economics and to those students interested in the study of record keeping and filing. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Social Betterment, Dr. Kingsbury. *Two hours a week throughout the year.*
(Given in each year.)

This course presents the principles and methods used in the Charity Organization Society and the principles of case work are carefully considered and various case records both from the Charity Organization Society and from Home Service experiences are studied in the

*Free
Elective
Courses.*

class. Opportunity to attend case conferences are offered to the students, and observation excursions made to various social institutions and agencies of Philadelphia and the surrounding country. The course includes a survey of the origin, growth, and present methods of the most important social service and social welfare organizations in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centres or other neighbourhood organizations; (2) improvements of industrial conditions, through associations for labour legislation, labour organizations, or consumers' efforts; (3) vocational guidance, through vocational advising, through placement, or through adjustment of employment; (4) child welfare, through societies for care and protection of children; (5) family care, through organizations for the reduction and prevention of poverty; (6) social guardianship, through the probation work in the juvenile courts or corrective institutions.

This course is open to students who have attended or are attending courses equivalent to the course in Minor Economics or in General Psychology.

Record Keeping and Social Investigation, Dr. Kingsbury.

Two hours a week during the second semester.

(Given in each year.)

The object of the course is to acquaint the student with the principles and methods of record keeping and filing which are applicable to municipal, state, and federal offices, to business organizations, and to social organizations and investigation, and with the methods of securing, analyzing, interpreting and presenting social data. The best systems in use will be analyzed and studied. Preparation of the various types of schedules, tabulation of information secured, and the preparation of tables are among the subjects considered. The course concludes with a critical study of the methods used in social economic investigations and of reports by federal and state departments and by private organizations. This course must be accompanied by the course in Elements of Statistics.

GRADUATE COURSES.

Graduate Courses.

The following graduate seminars and courses may be elected subject to the approval of the Director of the Department by students working for the first and second year certificates as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research, or may be offered as the associated or independent minor with the approval of the Director of the Department when the major is taken in certain other departments according to the regulations of the Academic Council.

Seminary in Social Research, Dr. Kingsbury.

Three hours a week throughout the year.

(Given in each year.)

In 1918-19 the subject of the seminary is married women in industry, with special reference to mothers in industry.

In 1919-20 the subject of the seminary will be Community and Industrial Surveys.

In 1920-21 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) vocational opportunities and demands, (3) standards of living, including income and wages, (4) the relation of health and industry (5) industrial relations of women and minors. Research including field work with conferences will be required of research fellows and will be offered to every student. A group of students may co-operate to produce a study which, it is hoped, will prove a contribution to our knowledge of the social or industrial conditions investigated.

As the chief subjects of investigation will vary from year to year, as noted above, it will be possible for students to follow the work of the seminary for three consecutive years.

Seminary in Races and Peoples, Miss Kellogg.*Two hours a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

A study is made of the definitions of race, of theories regarding the origin and evolution of races, and of sociological characterizations of peoples.

Seminary in the Family as a Social Institution, Miss Kellogg.*Two hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

A study is made of theories regarding the origin and evolution of the family as a social institution; such as patriarchal theory, the theory of the horde and mother-right, and the theory of the monogamous or pairing family. In connection with these theories are considered the questions of original communism, polygamy, polyandry, monogamy, exogamy, endogamy, wife-capture, wife-purchase, marriage contracts, and divorce, and finally modern theories as to the future of the family.

Seminary in Labour Organization, Miss Bezanson.*Two hours a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

Assuming on the part of students a knowledge of the general concepts of labour economy this seminary discusses questions dealing with trade unionism, employers' associations, wage systems, scientific management, and unemployment. The modern problem of industrial democracy is traced through the various stages of collective bargaining, shop agreements, co-operative management and the recent developments of the British National Industrial Councils.

Seminary in Industrial Organization, Miss Bezanson.*Two hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

This seminary undertakes a study of business organization as an element in industrial society. It especially emphasizes the aspects of the industrial combination in its effects upon efficiency and wages.

The purpose is also to present the standard practice in industrial organizations and management. It gives a conception of the entire plant structure in order to suggest possibilities of co-operation between departments, and to insure an understanding of their difficulties. It will concern itself with the location and equipment of a plant and its administration, including functions of the officials and departments and their inter-relations in all stages from purchasing and employing to marketing.

Seminary in Social Economy, Dr. Kingsbury.*Two hours a week throughout the year.**(Given in each year.)*

This seminary includes the Practicum in Community Organization and Administration. It combines practical work in social and community education with reports and discussions. It must be accompanied by the course in Community Organization and must be preceded or accompanied by the seminary in Social Education or its equivalent. In addition to reports and conferences, seven or twelve hours a week, according to election, are devoted to active work in a social center or settlement by which the student gains vital illustration of the principles of organization of community activities, extra curricula classes and vocational education, citizenship movements, forums, social clubs, playgrounds and other educational movements for adults and children. Experience is then attained in the technique and method of conduct of such activities, and opportunity given for a knowledge of record keeping, of special brief community surveys and of the relation of citizen groups to government officials and institutions. Two or three months of non-resident practice in social centers and settlements, playgrounds or fresh-air camps may be arranged for the summer following the resident work at Bryn Mawr.

The fields from which the subject for the practicum may be chosen are community and social centers, settlements, playgrounds, health and recreation centers, and have included the Bryn Mawr Community Center, the Philadelphia College Settlement and work in smaller neighboring communities.

Seminary in Social Economy, Miss Kellogg.

Two hours a week throughout the year.

(Given in each year.)

This seminary includes the Practicum in Social Relief and Social Guardianship. It must be accompanied by the course in Social Treatment of Dependents, Delinquents, and Defectives and the course in Legal Procedure in Cases Involving Women and Children. Field work is carried on with such agencies as the following: The Philadelphia Society for Organizing Charities; The Home Service Department of the Red Cross; The Children's Bureau, an agency which investigates all complaints concerning children; The Children's Aid Society, a Child-Placing Agency; The Girl's Aid; The Vocational Guidance Bureau; Hospital Social Service Departments and the various departments of the Municipal Court, such as the Probation, Statistical, Employment Agency and Psychological Departments.

The field work with these agencies is under the supervision of Miss Kellogg and of the director of the particular agency or department. In addition to the regular practice work, students are taken on observation trips to courts, almshouses, orphanages, asylums, institutions for the feeble-minded, the blind, the crippled, hospitals, etc.

Seminary in Social Economy, Miss Bezanson.

Two hours a week throughout the year.

(Given in each year.)

This seminary includes the Practicum in Industrial Supervision and Employment Management, and consists of one day per week of industrial experience in or near Philadelphia and four months of non-resident industrial experience. During the period of residence at Bryn Mawr, the field work is devoted to assisting in an employment office, while group observation trips are regularly arranged. In the non-resident period the student, in addition to experience in the employment office, in being transferred from process to process, is enabled by plant supervision to see not only the conditions of work but the adjustment of employment problems to the other factors of industry. Experience may also be afforded in the federal employment service and in factory inspection. In connection with this seminary each student must take the course in Industrial Supervision and Employment Management, and must precede or accompany it by the Seminary in Labour Organization or Industrial Organization or the equivalent.

In 1918-19 this seminary met two hours a week during the first semester, and was repeated during the second semester.

Social Treatment of Dependents, Miss Kellogg.

Three hours a week during the first semester.

(Given in each year.)

This course involves a study of the principles, methods, and agencies employed for the prevention, relief and cure of dependency, defectiveness, and delinquency, such as family case-work, outdoor relief, and institutional care. This course must be accompanied by the seminary in Social Economy including the practicum in Social Relief or Community Organization and Administration.

Social Treatment of Delinquents and Defectives, Miss Kellogg.

Three hours a week during the second semester.

(Given in each year.)

This course involves a study of the principles, methods, agencies and institutions employed for the prevention, care and cure of defectives and delinquents, such as juvenile courts, probation and parole systems, the indeterminate sentence and psychological laboratories in connection with the courts. This course must be accompanied by the seminary in Social Economy including the practicum in Social Guardianship.

Community Organization, Miss Kellogg. *Two hours a week throughout the year.*
(Given in each year.)

In this course the conceptions of community "associations," "societies" and other group formations are analyzed and the purposes and processes of administration of community associations are studied such as Community Centers, Settlements, Community Art, Drama, Music, and Recreation Clubs, Federation of Churches, Charities, etc., Red Cross, Home Service, Y. M. C. A. and Y. W. C. A., Public Health Associations, District Nursing Associations, etc.

Legal Procedure in Cases Involving Women and Children, Miss Kellogg.
Two hours a week throughout the year.
(Given in each year.)

The administrative side of the law affecting women and children is presented in this course. It includes a study of the law as applied in juvenile courts, domestic relations courts, and other municipal courts.

Criminal Law. *Two hours a week throughout the year.*

By special arrangement with the Law School of the University of Pennsylvania students in this Department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course may accompany the course in Social Treatment of Delinquents and Defectives (Criminology) and the course in Legal Procedure in Cases Involving Women and Children.

Criminal Procedure. *Two hours a week throughout the year.*

By special arrangement with the Law School of the University of Pennsylvania students in this Department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Industrial Supervision and Employment Management, Miss Bezanson.
Two hours a week throughout the year.
(Given in each year.)

The course presents the problems and methods of personnel administration. It includes, besides the consideration of the organization and functions of personnel departments, such practical problems as the selection of the worker, his physical and mental capabilities, his placement, rating and promotion. Intensive study is devoted to the instability of employees through the proper analysis of labour turnover. Other subjects considered in the course are questions arising in the equipment, technique and conduct of the Federal employment office or labour exchange, the principles and procedure of factory inspection and the approved methods of supervision of workers in industrial processes. The course must be preceded or accompanied by the seminary in Labour Organization or Industrial Organization or the equivalent, and by the seminary in Social Economy including the Practicum in Industrial Supervision and Employment Management.

Advanced Statistics, Miss Bezanson. *Two hours a week throughout the year.*
(Given in each year.)

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, skew distribution, partial correlation, and the theory of contingency.

The course must be preceded by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension.

If accompanied by the Special Research in Statistics the course becomes equivalent to a seminary.

Special Research in Statistics, Miss Bezanson.

*Seven hours a week throughout the year.**(Given in each year.)*

This course including laboratory analysis and reports is offered in each year in connection with the course in Advanced Statistics and the two courses taken together are equivalent to a seminary.

Seminary in Social Education, Dr. Castro.

*Two hours a week during the first semester.**(Given in each year.)*

The essentials of educational theory and practice for social workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Economic Seminary, Dr. Marion Parris Smith.*

*Two hours a week throughout the year.**(Given in each year.)*

In 1918-19 the tariff, currency, and banking in the United States are the subjects of the seminary.

In 1919-20* the subject of the seminary will be Taxation, Banking and Railroad Finance since 1900.

In 1920-21 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, various plans for controlling large scale production, land reforms, and income and excess profits taxation.

In 1921-22 Economic Theory and Economic History in the United States from 1790 to 1850 will be studied.

Political Seminary, Dr. Fenwick.

*Three hours a week throughout the year.**(Given in each year.)*

In 1918-19 constitutional questions involved in modern economic and social problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution on the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the State are discussed.

In 1919-20 Comparative Constitutional Government will be the subject of the seminary. The object will be to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised will be the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1920-21 Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

*See footnote, page 98.

Seminary in Municipal Government, Miss Franklin.*Three hours a week throughout the year.**(Given in each year.)*

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city manager forms, are considered in the early part of the course. A study of modern municipal administration follows including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Psychological Seminary, Dr. Leuba.*Two hours a week throughout the year.**(Given in each year.)*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year; instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.), animal behaviour.

Seminary in Social Psychology, Dr. Leuba.*Two hours a week during the first semester.*

In 1918-19 and again in 1920-21 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1919-20 and again in 1921-22 abnormal psychology, chiefly mental deficiency, and its social implications, or temperament and character, their instinctive and emotional foundation, will be the subject of the seminary.

This seminary is open to students who have pursued an elementary course in psychology. It may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Social and Political Philosophy, Dr. T. de Laguna.*Two hours a week during the second semester.**(Given in each year.)*

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in Philosophy. It may be elected separately or may be combined with the seminary in social psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Educational Methods and Measurements, Dr. Castro.*Two hours a week throughout the year.**(Given in each year.)*

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Applied Psychology, Dr. Rand.*Two hours a week throughout the year.***Laboratory Work.***Four hours a week throughout the year.**(Given in each year.)*

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents, and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Social Hygiene, Dr. Potter.

One hour a week during the first semester.

Social Economy Journal Club, Dr. Kingsbury, Miss Kellogg, and Miss Bezanson.

Two hours once a fortnight throughout the year.

Current books and articles are reviewed, recent reports, surveys and investigations are criticized, and the results of important research are presented for discussion.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, and Dr. Ethel Ernestine Sabin, Associate in Philosophy.

The instruction offered in this department covers eighteen and a half hours of lectures a week: it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; and six hours a week of graduate work.

A course in philosophy, five hours a week throughout one semester, and a course in psychology, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, mathematics, or physics.

A combination of five hours a week for one year of the minor course in philosophy with five hours a week for one year of the minor course in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

Introduction to Philosophy, Dr. Theodore de Laguna, Dr. Grace de Laguna and Dr. Sabin. *Five hours a week during the first semester.* **Required Course.**

(Given in each year.)

(The class is divided into three sections and each section assigned to a different instructor).

The course consists of discussions of certain fundamental problems of metaphysics based as far as possible upon recent philosophical literature. Every effort will be made to foster independence and sincerity of thought rather than to impress upon the students any system of philosophical dogmas.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

History of Philosophy, Dr. Theodore de Laguna. *Five hours a week.*

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

2nd Semester.

Elementary Logic and Ethics, Dr. Sabin. *Five hours a week.*

The equivalent of two hours a week for a semester is devoted to logic and the remainder to ethics. The instruction in logic covers the topics of definition, classification, the interpretation of propositions, the syllogism, the inductive methods, analogy and the use of hypotheses. In the lectures on ethics special attention will be given to the relations between moral standards and the persistent and developing requirements of social organization. This course is conducted by Dr. Grace de Laguna in 1918-19 and in 1920-21 and by Dr. Sabin in 1919-20 and in 1921-22.

1st Semester.

SECOND YEAR.

From Kant to Spencer, Dr. Sabin. *Five hours a week.*

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, John Stuart Mill, and Spencer.

2nd Semester.

Recent Philosophical Tendencies, Dr. Theodore de Laguna.

Five hours a week.

The object of this course is to give the student an introduction to the most important and significant recent movements of thought. Among the theories discussed are neo-realism, the pragmatism of James and Dewey, and the intuitionism of Bergson.

Group: Philosophy with Greek, or with Latin, or with English, or with Economics and Politics, or with Psychology, or with Mathematics, or with Physics, or with Geology; Philosophy and Psychology with Greek or with English or with Economics and Politics or with Mathematics or with Physics.

GRADUATE COURSES.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research. **Graduate Courses.**

A seminary in logic and metaphysics is offered each year and a seminary in ethics and one in the history of philosophy are offered in alternate years. A seminary in social and political philosophy is offered in the second semester of each year. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing Philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Ethical Seminary, Dr. Théodore de Laguna.

Two hours a week throughout the year.

In 1919-20 the subject will be Recent French Ethics as represented by Durkheim, Lévy-Bruhl, Fouillée, Belot, and Paulhan.

In 1921-22 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, will be the subject of the seminary. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

Seminary in Logic and Metaphysics, Dr. Theodore de Laguna.

Two hours a week throughout the year.

In 1918-19 the philosophy of Plato is discussed in the seminary. Special attention is paid to the problem of the Socratic dialogues, and to the development of the theory of ideas.

In 1920-21 Inductive and Genetic logic will be the subject of the seminary. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.

Two hours a week during the second semester.

(Given in each year.)

The topics chosen for discussion vary from year to year. Prominent among them are: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Logic and Metaphysics, Dr. Grace de Laguna.

Two hours a week throughout the year.

In 1919-20 the Nature of Consciousness will be the subject of the seminary. During the first semester the psychophysical aspect is examined and during the second semester the epistemological aspect.

In 1921-22 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton is the subject of the seminary.

Seminary in the History of Philosophy, Dr. Sabin.

Two hours a week throughout the year.

In 1918-19 Descartes and Spinoza are studied with special reference to their view of the relation between idea and object.

In 1920-21 the philosophy of Kant will be the subject of the seminary. The principal writings of the critical period will be read and a careful study will be made of the final organisation of Kant's system in the *Critique of Judgment*.

Philosophical Journal Club, Dr. Theodore de Laguna, Dr. Grace de Laguna, and Dr. Sabin.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Applied Psychology, and Dr. Ethel Ernestine Sabin, Associate in Philosophy, Miss Mary Ruth Almack, Assistant Demonstrator in Experimental Psychology and Miss Istar Alida Haupt, Assistant Demonstrator in Applied Psychology.

The instruction offered in this department covers twenty-four and a half hours of lectures a week; it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective work and ten hours a week of graduate work.

A course in psychology, five hours a week throughout one semester, and a course in philosophy, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in Greek, English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of five hours a week for one year of the minor course in psychology with five hours a week for one year of the minor course in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

Psychology, Dr. Leuba and Dr. Sabin.

Five hours a week during the second semester.

(Given in each year.)

The text-book used is Pillsbury's *Fundamentals of Psychology*. In connection with the lectures there are experimental demonstrations.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.Experimental Psychology, Dr. Ferree and Dr. Rand. *Five hours a week.*Laboratory work, Dr. Ferree and Dr. Rand. *Four hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Special stress is laid on the comparative study of methods. The laboratory work consists of individual practice in selected topics.

2nd Semester.

The Psychology of Instinct and Emotion, and Animal Behaviour, Dr. Leuba. *Five hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

SECOND YEAR.

1st Semester.

(Given in each year.)

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics Science, and Art, Dr. Leuba.

Five hours a week.

(Open only to those students who have taken the minor course in psychology five hours a week in the second semester. Experimental psychology is not a prerequisite. May be taken as a free elective.)

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a community, a crowd, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. Religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

2nd Semester.

Applied Psychology, Dr. Rand.

Five hours a week.

Laboratory work, Dr. Rand.

Four hours a week.

(Open only to those students who have taken the minor course in psychology five hours a week throughout the year. May be taken as a free elective.)

The specific applications of psychology form the subject-matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of mental equipment and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Group: Psychology with Greek, or with English, or with Economics and Politics, or with Philosophy, or with Mathematics,

or with Physics, or with Biology, or Philosophy and Psychology with Greek, or with English, or with Economics and Politics, or with Mathematics, or with Physics.

FREE ELECTIVE COURSE.

Advanced Experimental Psychology, Dr. Ferree.

Two hours a week throughout the year.

(Given in each year.)

***Free
Elective
Course.***

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will cooperate with the students in the solution of some original problems. A reading knowledge of French and German is required.

GRADUATE COURSES.

Twelve hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

***Graduate
Courses.***

Psychological Seminary, Dr. Leuba.

Two hours a week throughout the year.

(Given in each year.)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.); animal behaviour.

Seminary in Social Psychology, Dr. Leuba.

Two hours a week during the first semester.

In 1918-19 and again in 1920-21 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1919-20 and again in 1921-22 abnormal psychology, chiefly mental deficiency, and its social implications, or temperament and character and their instinctive and emotional foundation will be studied.

This seminary together with the seminary in Social Philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Seminary in Experimental and Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.**(Given in each year.)*

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Seminary in Research Methods and Problems, Dr. Ferree and Dr. Rand.

Three hours a week throughout the year.

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Seminary in Applied Psychology, Dr. Rand.

Two hours a week throughout the year.

Laboratory Work, Dr. Rand.

Four hours a week throughout the year.

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults and adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests and their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reactions to the tests as well as practice in giving the tests. Later the work is with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Applied Psychology, Dr. Rand.

Four hours a week throughout the year.

This course is offered to students who have attended the seminary in Applied Psychology and wish to pursue more advanced work.

Psychological Journal Club, Dr. Leuba, Dr. Ferree, and Dr. Rand.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.

The laboratory work consists of individual practice and research.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Matilde Castro, Professor of Education and Director of the

Phebe Anna Thorne Model School, and Dr. Ada Hart Arlitt, Associate in Educational Psychology.

The work of the Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate Department of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne Model School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at nine or ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven or eight years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. It is believed that the opportunity of studying the newest approved methods

of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

FREE ELECTIVE COURSES.

Free Elective Courses.

Education, Dr. Castro.

Two hours a week throughout the year.

(Given in each year.)

The course interprets modern educational problems from the standpoint of their social setting; develops the psychological principles underlying the technique of teaching and demonstrates their application; sketches the mental, moral, and physical development of children from infancy through adolescence; and discusses the treatment of children individually and in groups in school and extra-school activities.

It is conducted as a general survey course covering the subject-matter indicated, or various topics are stressed and studied more intensively according as the interests of the class vary from teaching to social work or to a more general interest in educational problems.

Experimental Educational Psychology, Dr. Arlitt.

Three hours a week throughout the year.

Laboratory Work, Dr. Arlitt.

Two hours a week throughout the year.

(Given in 1918-19 and in each succeeding year.)

In the first semester a study is made of sensori-motor learning, perceptual learning, and learning of the problem-solving type. Particular emphasis is laid on the conditions and methods of efficient study and on the training of memory.

In the second semester the course takes up the study of school subjects from the point of view of laboratory experimentation and a survey of the field of group and individual tests and educational scales and measurements.

GRADUATE COURSES.

Graduate Courses.

In addition to three seminaries in education, and a seminary in the study of children there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic and experimental psychology recommended to students of education. Students electing education as their major subject for the degree of Doctor of Philosophy may elect educational psychology, educational methodology, economics, social economy, social psychology or experimental and systematic psychology, as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Seminary in Educational Methods and Measurements, Dr. Castro.

Two hours a week throughout the year.

(Given in 1918-19 and in each succeeding year.)

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Educational Psychology, Dr. Castro.

Two hours a week throughout the year.

(Given in 1918-19 and in each succeeding year.)

The seminary considers the main categories of educational psychology and studies especially the psychology of school and high school subjects. If the student's training in

psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements either as a preliminary seminary or by special permission at the same time.

Seminary in Social Education, Dr. Castro.

Two hours a week during the first semester.

The essentials of educational theory and practice for social workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Intelligence Tests, Dr. Arlitt.

Two hours a week throughout the year.

Laboratory Work in Intelligence Tests, Dr. Arlitt.

Four hours a week throughout the year.

(Given in each year.)

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Journal Club in Education, Dr. Castro and Dr. Arlitt.

Two hours once a fortnight throughout the year.

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

Classical Archæology.

The instruction in this department is under the direction of Dr. Joseph Clark Hoppin, Professor of Classical Archæology, Dr. Rhys Carpenter,* Professor of Classical Archæology, Dr. Wilmer Cave Wright, Associate Professor of Greek, and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology.

An archæological seminary of two hours a week and a lecture course of two hours a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major

* Granted leave of absence for 1917-19 for military service.

subject should offer General Archæology, Greek Sculpture, Art and Life in Hellenistic Towns, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Egypt, Crete and Prehistoric Greece, Ancient Architecture, Greek and Roman Minor Arts, and Ancient Painting and Vases. The elective courses in Greek Religion and Greek Myths and Literary Geography of Greece and Asia Minor may be substituted for the courses in Ancient Athens and Ancient Rome.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

FIRST YEAR.

(Minor Course.)

**Major
Course.**

General Archæology, Dr. Hoppin.

Three hours a week throughout the year.

(Given in 1918-19.)

The course is intended as an introduction to the study of Classical Archæology. It is general in its treatment and includes architecture, sculpture, vases, coins, gems, bronzes, toreutics and terra-cottas, omitting however epigraphy and topography.

Topography and Monuments of Ancient Athens, Dr. Hoppin.

Two hours a week during the first semester.

(Given in 1918-19.)

The course deals with the various existing monuments of Ancient Athens and the recent excavations.

Greek Sculpture, Dr. Carpenter.*

Three hours a week throughout the year.

(Given in 1919-20 and in each succeeding year.)

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Art and Life in Hellenistic Towns, Dr. Carpenter.*

Two hours a week during the first semester.

(Given in 1919-20 and in each succeeding year.)

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Greek Religion and Greek Myths, Dr. Wright.

Two hours a week during the first semester.

(Given in each year.)

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

Literary Geography of Greece and Asia Minor, Dr. Wright.

Two hours a week during the second semester.

(Given in each year.)

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history.

*See footnote, page 121.

Ancient Rome, Dr. Swindler. *Two hours a week during the second semester.*
(Given in each year.)

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

SECOND YEAR.

(Minor Course.)

Ancient Egypt, Dr. Hoppin. *Three hours a week during the first semester.*
(Given in 1918-19.)

The course deals with the history and art of Ancient Egypt down to the Roman period, especial attention being given to architecture and painting.

Crete and Prehistoric Greece, Dr. Hoppin. *Three hours a week during the second semester.*
(Given in 1918-19.)

In the course a careful analysis is given of the Minoan civilization of Crete and the Mycenaean civilization of the Greek mainland, as illustrated by the existing monuments. The Homeric poems are also discussed in so far as they are related to the period.

Ancient Architecture, Dr. Hoppin. *Two hours a week during the second semester.*
(Given in 1918-19.)

An introductory outline of Egyptian, Cretan, and Mycenaean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome.

Ancient Architecture, Dr. Carpenter.* *Three hours a week throughout the year.*
(Given in 1919-20 and in each succeeding year.)

An introductory outline of Egyptian, Cretan, and Mycenaean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times.

Greek and Roman Minor Arts, Dr. Carpenter.* *Two hours a week during the second semester.*
(Given in 1919-20 and in each succeeding year.)

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silverware, and similar objects, mainly for their artistic and cultural interest. The first six lectures deal with Cretan and Mycenaean art. This course supplements that on Greek vase-painting given in the first semester.

Ancient Painting and Vases, Dr. Swindler. *Two hours a week during the first semester.*
(Given in each year.)

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

Group: Classical Archæology with Greek or with Latin.

GRADUATE COURSES.

A seminary in archæology, a graduate course, and a journal club in **Graduate**
archæology are offered to graduate students in addition to the under- **Courses.**

*See footnote, page 121.

graduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Archæological Seminary, Dr. Hoppin. *Two hours a week throughout the year.*

(The seminary is conducted by Dr. Hoppin in 1918-19 and by Dr. Carpenter in 1919-20 and in each succeeding year.)

This seminary is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1918-19 fifth century Greek sculpture is the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

In 1919-20 Greek minor arts, (coins, gems, terra-cotta) will be studied.

In 1920-21 Greek architecture will be studied in the first semester, and Roman architecture in the second semester.

Ægæan Archæology with emphasis on the recent discoveries in Crete, Dr. Swindler.

Two hours a week during the first semester.

(Given in each year.)

Ancient Painting, Dr. Swindler. *Two hours a week during the second semester.*

(Given in each year.)

The work includes a detailed survey of Cretan frescoes, painted plaques, stelæ and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration, and the mummy portraits from the Fayûm.

Archæological Journal Club, Dr. Hoppin, Dr. Carpenter and Dr. Swindler.

One and a half hours a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King,* Professor of the History of Art, and Miss Helen E. Fernald, Instructor in the History of Art.

A seminary of two hours a week and a journal club of one hour a week are offered to graduate students who have done elementary work in history of art. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours

* Granted leave of absence for the year 1919-20. The courses offered by Professor King in 1919-20 will be given by an Instructor whose appointment will be announced later.

a week and two hours a week on painting, sculpture and architecture.

All the courses except the course in Chinese and Japanese Art (which is illustrated with photographs) are illustrated with lantern slides, and photographs are available for review and comparison.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.*

Three hours a week throughout the year.

(May be taken as a free elective.)

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture, Miss King.*

Two hours a week throughout the year.

(May be taken as a free elective.)

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

SECOND YEAR.

(Given in each year.)

Painting in the Seventeenth and Eighteenth Centuries, Miss Fernald.

Three hours a week throughout the year.

In the first semester the Dutch, German, and Flemish painters are studied, in the second semester the French, Spanish, and English. The course is illustrated with photographs and lantern slides.

Renaissance Sculpture, Miss King.*

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the finishing of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

Group: History of Art with French, or with Italian, or with Spanish, or with German, or with History.

* See footnote, page 124.

**Major
Course.**

FREE ELECTIVE COURSES.

**Free
Elective
Courses.**

Renaissance Architecture, Miss King.* *Two hours a week throughout the year.*
(Given in 1918-19.)

The architecture of the Italian Renaissance is studied in the first semester, that of France, Germany, Spain and England in the second semester. Lantern slides and photographs are used for illustration.

Minor Arts of the Middle Ages, Miss King.*

Two hours a week throughout the year.

(Given in 1920-21.)

The lectures will deal, in succession, with ivories, miniatures, enamels, stained glass, metal work, wood-carving and architectural sculpture, from the decline of Roman art until the beginning of the Renaissance. Photographs and other reproductions are provided for study and reference is made to pieces in museums and other collections accessible during the college year and in vacations. Students electing the course are expected to read at least one foreign language.

Chinese and Japanese Art, Miss Fernald.

Two hours a week throughout the year.

(Given in each year.)

The course deals with the Art of China and Japan, especially painting, with emphasis upon the work of the Zen painters, of Sesshiu and his followers, of the Kano and Korin schools, and the school of Japanese colour prints. The course is illustrated with photographs and reproductions and also some originals.

POST-MAJOR COURSE.

**Post-
Major
Courses.**

Spanish Painting, Miss King.* *Three hours a week throughout the year.*
(Given in 1918-19 and again in 1920-21.)

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting will be considered from the early miniature painters down to living painters. Students will be expected to learn something about Spanish history and characters and to make short trips to see paintings on exhibition in the United States.

Modern Painting, Miss King.*

Three hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. It deals with the history of painting since 1800 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures, as often as may seem necessary.

GRADUATE COURSES.

**Graduate
Courses.**

Two hours a week of seminary work are offered each year to graduate subjects of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of

* See footnote, page 124.

the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students.

Seminary in Modern Art, Miss King.* *Two hours a week throughout the year.*

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1918-19 the subject is Modern Art from the commencement of the romantic movement to the contemporary theories. Students are expected to be familiar already with the Old Masters, and to read French and German. Arrangements will be made for trips to Philadelphia and New York to study new pictures.

In 1919-20 the subject of the seminary will be the Spanish Primitives.

In 1920-21 the subject will be Spanish painting after 1550.

In 1921-22 the subject will be the Theory and Practice of Connoisseurship. The Morelian method will be examined and appraised, the value of documentary evidence discussed, and the different conditions affecting the study of different schools considered. Students will have access to a large collection of photographs and several private collections of paintings.

Journal Club in Modern Art, Miss King* and Miss Fernald.

Two hours once a fortnight throughout the year.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Anna Johnson Pell, Associate Professor of Mathematics.

The instruction offered in mathematics covers twenty and a half hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work, one hour a week of free elective work, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

* See footnote, page 124.

Preparatory Course.

The two hour course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

FIRST YEAR.

*(Minor Course.)***Major Course.***1st Semester.**(Given in each year.)*

Analytical Conics, Dr. Scott.

Three hours a week.

Trigonometry, including Series, Dr. Scott.

Two hours a week.

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

*2nd Semester.*Elementary Differential and Integral Calculus, Dr. Pell. *Three hours a week.*

Algebra and Theory of Equations, Dr. Pell.

Two hours a week.

The three hour and two hour courses in this semester may not be elected separately.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Differential and Integral Calculus and Differential Equations, Dr. Pell. *Three hours a week.*

Theory of Equations, Determinants, Dr. Pell.

*Two hours a week.**2nd Semester.*

Curve Tracing, History of Mathematics, Dr. Scott.

Three hours a week.

Analytical Geometry of two and three Dimensions, Dr. Scott.

Two hours a week.

The three hour and two hour courses in each semester may not be elected separately.

Group: Mathematics with Greek, or with Latin, or with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Physics, or with Chemistry, or with Geology, or with Biology.

FREE ELECTIVE COURSES.

Free Elective Courses.

Graphic Mathematics, Dr. Scott.

*One hour a week throughout the year.**(Offered in 1918-19 and again in 1920-21.)*

The course deals with statistical work, standard graphs and interpolation. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

*One hour a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics.

Mathematics Preparatory to Science. *Two hours a week throughout the year.**(Given in each year when the time of the department permits.)*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following, with occasional modifications.

Post-Major Courses.

In 1918-19 the following post-major course are offered:

Special Topics in Geometry, Dr. Scott. *Two hours a week throughout the year.*

Lectures on special topics in geometry, such as homogeneous coordinates, circular coordinates, families of curves, certain transcendental curves, geometrical transformations, etc.

General Course in Analysis, Dr. Pell. *Two hours a week throughout the year.*

This course deals with the development of subjects such as determinants, infinite series, Fourier series, definite integrals, etc.

Calculus of Finite Differences and Theory of Probabilities, Dr. Pell.

One hour a week throughout the year.

In 1919-20 the following post-major courses are offered:

Lectures on Modern Pure Geometry, Dr. Scott.

Two hours a week throughout the year.

Theory of Functions of a Complex Variable, Dr. Pell.

Two hours a week throughout the year.

Differential Equations, Ordinary and Partial, Dr. Pell.

One hour a week throughout the year.

In 1920-21 the following post-major courses are offered:

Special Topics in Geometry, Dr. Scott. *Two hours a week throughout the year.*

Lectures on special topics in geometry such as homogeneous coordinates, circular coordinates, families of curves, certain transcendental curves, geometrical transformations, etc.

Lectures Introductory to Modern Algebra, Dr. Pell.

Two hours a week throughout the year.

The properties of polynomials, linear dependence, elimination, transformations, invariants, and canonical forms are discussed.

Elementary Theory of Numbers, Dr. Pell. *One hour a week throughout the year.*

In 1921-22 the following post-major courses are offered:

Modern Analytical Geometry, Dr. Scott. *Two hours a week throughout the year.*

Lectures introductory to modern analytical geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

General Course in Analysis, Dr. Pell. *Two hours a week throughout the year.*

This course with the development of subjects such as determinants, infinite series, Fourier series, definite integrals, etc.

Calculus of Finite Differences and Theory of Probabilities, Dr. Pell.

One hour a week throughout the year.

GRADUATE COURSES.

Graduate Courses.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The subjects vary from year to year so that the seminaries may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Mathematical Seminary, Dr. Scott.

*Two hours a week throughout the year.**(Given in each year.)*

In 1918-19 Geometry on a Curve and Linear Systems of Curves are the subject of the seminary. The work follows the Italian treatment of the subject rather than the German; but the seminary is arranged so that the most important part of the Clebsch-Lindemann exposition may profitably be read in connection with the lectures.

In 1919-20 Theory of Surfaces and Space Curves will be studied. The subject will be treated from the projective (analytical) point of view without any consideration of the development of differential geometry.

In 1920-21 Topology of Plane Algebraic Curves will be the subject of the seminary.

Mathematical Seminary, Dr. Pell.

*Two hours a week throughout the year.**(Given in each year.)*

In 1918-19 Theory of Integral Equations is studied. The classical theories of Volterra, Fredholm, Hilbert and Schmidt are studied. The theory is applied to boundary-value problems in linear differential equations. In the latter part of the course, either Volterra's theory of functions of lines, or the theory of linear equations in infinitely many unknowns is given.

In 1919-20 either the Theory of Functions of a Complex Variable including such topics as Riemann surfaces and elliptic functions, or the theory of functions of a real variable

including the theory of Stieltjes and Lebesgue integrals will be given. The choice will depend on the need of the students electing the seminary.

In 1920-21 Theory of Linear Differential Equations will be treated. The order of these subjects may be changed in accordance with the needs of the students.

Mathematical Journal Club, Dr. Scott and Dr. Pell.

One hour a fortnight throughout the year.

The Journal Club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff,* Dr. David Hilt Tennent, Dr. James Barnes, Dr. Roger Frederic Brunel, Dr. James Llewellyn Crenshaw,† Dr. Florence Peebles, Miss Edith Hamilton Lanman, Mr. Malcolm Havens Bissell, Miss Sue Avis Blake, Miss Harriet Hobbs, Miss Nora May Mohler, Miss Mary Jane Guthrie, and Miss Hope Hibbard.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,‡ and it is easy for a student to elect

* Granted leave of absence for the year 1918-19.

† Granted leave of absence for 1917-19 on war service.

‡ REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.

"As candidates for the degree of Doctor of Medicine the school receives:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University. (Group V.)

a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology and chemistry for two years.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff,* Professor of Physics, Dr. James Barnes, Professor of Physics, Miss Sue Avis Blake, Instructor in Physics and Miss Nora May Mohler, Demonstrator in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry, and physics as may be obtained by a year's course in these subjects when accompanied by laboratory work.†

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† BIOLOGY.—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

CHEMISTRY.—The minimum requirement is a one year course, including five hours of laboratory work a week throughout the year, covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry." Students will be required to present evidence that in addition to these requirements they have had an elementary course in organic chemistry, including at least 25 to 30 lectures and 90 to 100 hours of laboratory work.

PHYSICS.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

LATIN.—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

Similar requirements are made for admission to the Medical College of Cornell University.

The Woman's Medical College of Pennsylvania admits students of Bryn Mawr College who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Woman's Medical College presented to Bryn Mawr College in 1910 a scholarship giving free tuition and renewable for the four years of the college course to be awarded to a graduate of the college.

* Granted leave of absence for the year 1918-19. The courses announced by Professor Huff were given in 1918-19 by Miss Sue Avis Blake.

minor and major work, one or two hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.*

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

In 1918-19 this course was conducted by Miss Blake and the laboratory work by Miss Blake and Miss Mohler.

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Mohler.

Six hours a week.

The instruction in this course is given by means of lectures, daily oral quizzes, occasional¹ written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Reed and Guthe's *College Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture

* See footnote, page 132.

**Major
Course.**

room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Theoretical Mechanics, Theory of Light, Dr. Barnes. *Three hours a week.*

Laboratory Work, Dr. Barnes and Miss Mohler. *Six hours a week.*

2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.*

Three hours a week.

Laboratory Work, Dr. Huff* and Miss Blake.

Six hours a week.

In 1918-19 this course was conducted by Miss Blake and the laboratory work by Miss Blake and Miss Mohler.

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Mathematics, or with Chemistry, or with Geology, or with Biology.

FREE ELECTIVE COURSES.

Physical Basis of Music, Dr. Huff.* *One hour a week throughout the year.*

(Given in 1918-19 and again in 1920-21.)

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

Historical Development of Physics, Dr. Huff.

*One hour a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

**Free
Elective
Courses.**

* See footnote, page 132.

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

Post-Major Courses.

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*

(Given in 1919-20.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff. *Three hours a week during the second semester.*

(Given in 1919-20.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

(Given in 1921-22.)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Spectroscopy, Dr. Barnes. *Three hours a week during the first semester.*

(Given in 1918-19.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics, Dr. Barnes.*Three hours a week during the second semester.**(Given in 1918-19.)*

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

General Optics, Dr. Barnes.*Three hours a week throughout the year.**(Given in 1920-21.)*

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

GRADUATE COURSES.

Graduate Courses.

The graduate seminars consist of lectures, laboratory work, and original research under the direction of the instructors, the subjects varying from year to year so that the seminars may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Physical Seminary, Dr. Huff.**Three hours a week throughout the year.**(Given in alternate years.)*

In 1918-19 Radio-activity and Discharge of Electricity through gases is the subject of the seminary in the first semester and Electron Theory in the second semester. The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given. In the Electron Theory the mathematical development of the subject is first dealt with and this is followed by experimental tests of theory.

In 1920-21 Mathematical Theory of Electricity and Magnetism is the subject discussed. The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Physical Seminary, Dr. Barnes.*Three hours a week throughout the year.**(Given in alternate years.)*

In 1919-20 the seminary deals with a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the seminary.

*See footnote, page 132.

In 1921-22 Thermo-dynamics and Radiation are the subjects of the seminary. The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Physical Journal Club, Dr. Huff and Dr. Barnes.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Professor of Chemistry, Dr. James Llewellyn Crenshaw,* Associate in Physical Chemistry, Miss Edith Hamilton Lanman, Instructor in Chemistry, and Miss Harriet Hobbs, Demonstrator in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in inorganic chemistry, and qualitative analysis.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

* Granted leave of absence for 1917-19 for military service.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Introduction to General Chemistry, Dr. Brunel.

Three hours a week.

Laboratory Work, Dr. Brunel.

Six hours a week.

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. After all the experiments on a given subject have been carried out the results are discussed in the class-room.

2nd Semester.

The Chemistry of the Metals, Dr. Crenshaw.

Three hours a week.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading. This course was given by Miss Lanman in 1918-19.

The laboratory work consists of qualitative analyses. The students are first taught to identify the basic and acidic constituents in solutions; later they are required to carry out analyses of alloys and minerals.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on Elementary Physical Chemistry, Dr. Crenshaw.

Three hours a week.

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria. Private reading and outside preparation amounting to at least three and a half hours a week is required. This course was given by Miss Lanman in 1918-19.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2nd Semester.

Organic Chemistry, Dr. Brunel.

Three hours a week.

The methods of preparation and the behaviour of the various classes of organic compounds are studied. Particular emphasis is laid on the relation between the arrangement of atoms within the molecule and the behaviour of the compounds, and on the processes of reasoning by which the constitution of organic compounds is established.

Laboratory Work, Dr. Brunel.

Seven hours a week.

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

Group: Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Post-Major Courses.

Organic Chemistry, Dr. Brunel.

Two hours a week throughout the year.

(Given in each year.)

The course consists of lectures, assigned reading with occasional reports, and laboratory work. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Physical Chemistry, Dr. Crenshaw.*

Two hours a week throughout the year.

(Given in each year.)

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required. This course was given by Dr. Lanman in 1918-19.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry, Dr. Crenshaw.*

One hour a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

Graduate Courses.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw, but students who elect

* See footnote, page 137.

organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Chemical Seminary, Organic Chemistry, Dr. Brunel.

One hour a week throughout the year.

(Given in each year.)

This is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Chemical Seminary, Inorganic Chemistry, Dr. Crenshaw.*

One hour a week throughout the year.

(Given in each year.)

The work of the seminary consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Physical Chemistry, Dr. Crenshaw.*

Two hours a week throughout the year.

(Given in each year.)

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work will consist of physico-chemical research.

Advanced Organic Chemistry, Dr. Brunel. *One hour a week throughout the year.*

(Given in each year.)

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest. In the year 1919-20 a considerable part of the time will be spent upon the carbohydrates.

Students counting this course as the equivalent of a seminary will be required to do enough laboratory work, to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Chemical Journal Club, Dr. Brunel, Dr. Crenshaw,* and Miss Lanman.

One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Mr. Malcolm Havens Bissell, Instructor in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate major and minor work, three free elective courses of two hours and one hour a week, four post-major

* See footnote, page 137.

courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week, but all these courses will not be given in the same year.

The purpose of the major course in geology is to make clear to the student the constitution and history of the earth and the processes which have been operative in its evolution. The first year of the major course is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The second year of the major course deals with rocks and minerals, and with their arrangement in the lithosphere.

Post-major courses in petrography or mineralogy, economic geology, stratigraphy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species, in the genesis of ores and in the principles of stratigraphy and paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Physiography, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

**Major
Course.**

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by these forces; subordinately physio-

graphic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographic relief models, and maps.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted by means of practical exercises and the use of topographic maps and models.

For the field work, excursions are made into the immediate neighbourhood on Mondays from 2 to 4 p. m. during the autumn and spring. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2nd Semester.

Introduction to Historical Geology, Mr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Mr. Bissell.

Six hours a week.

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania, and to the Mesozoic and Cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work.

SECOND YEAR.

1st Semester.

(Given in each year.)

Megascopic Petrology, Mr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Mr. Bissell.

Six hours a week.

The lectures discuss the materials which constitute the earth's crust; the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory the students become familiar with methods for the rapid determination of the most common and most important rock forming and ore minerals; this is followed by a systematic study of the principal rock types.

Field excursions are made to mineral localities in the vicinity of the college.

2nd Semester.

Glaciology and Structural Geology, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

The lectures treat of the evidences, conditions, and causes of the glacial period; the development of man; the causes and effects of earth movements; the origin and age of the earth. The course is illustrated with models, photographs, and lantern slides.

In the laboratory topographic maps, geologic folios, and models illustrating features due to glaciation and other folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Economics and Politics, or with Philosophy, or with Mathematics, or with Physics, or with Chemistry, or with Biology.

FREE ELECTIVE COURSES.

Cosmogony, Dr. Bascom.

One hour a week throughout the year.

(Given in 1918-19 and in 1920-21 if the time of the department permits.)

***Free
Elective
Courses.***

The work of the course is conducted by means of lectures, required reading, and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research. It will be given only if elected by a sufficient number of students.

Economic Geology, Mr. Bissell.

Two hours a week throughout the year.

(Given in 1918-19.)

This course is devoted to a broad treatment of our mineral industry. The nature, mode of occurrence, distribution, and uses of the various mineral products are considered. Among the non-metallic substances coal and building stones receive chief attention; among the metals iron, copper, lead, zinc, gold and silver.

Mineral Resources of the World, Mr. Bissell.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The course consists of a non-technical discussion of the world's mineral resources: their nature, mode of occurrence, geographical distribution, extent and uses. The metallic ores are first discussed, particularly iron, copper, gold, silver, lead and zinc, but the rarer elements also receive attention. Among the non-metals, coal, oil and gas, and water supply are the most important topics treated. The emphasis throughout the course is placed mainly on the geographic, economic and political significance of mineral resources rather than the technical aspects, and particular attention is paid to the problems of the United States.

Principles of Modern Geography, Mr. Bissell.

Two hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

In this course the scope of the modern science of geography and the fundamental principles upon which it is based will be discussed and illustrated. The physical environment of man will be first considered, and the manner in which this environment has influenced the growth and expansion of races and nations, the development of systems of government and philosophy, and the rise of commerce and industry will then be illustrated. The logical sequence of cause and effect will be particularly emphasized, and every effort will be made to encourage independent thought on the part of the student. Considerable outside reading will be required.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

***Post-
Major
Courses.***

Determinative Mineralogy, Dr. Bascom.*Two hours a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis is placed on crystal forms and practice is given in the use of the two-circle contact goniometer.

Petrography, Dr. Bascom.*Three hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated. Practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Stratigraphy and Paleontology, Mr. Bissell.*Three hours a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

The work of the first semester consists largely of lectures and outside reading, and is devoted to a thorough study of the principles of sedimentation. This is followed by a consideration of the laws governing the distribution of organisms in time and space.

In the second semester the lectures deal with the evolution of the continents and seas as shown by the record of the sedimentary rocks and their fossils. The successive formations of North America are studied in order, and ancient physiographic conditions deduced as accurately as possible. Particular attention is paid to the evolution of life through the different geological periods and the changes of environment controlling it. In the laboratory the typical fossils of each formation are studied, and the student is required to learn the guide fossils of the more important geological horizons.

Economic Geology, Mr. Bissell.*Two hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

The origin and geological occurrence of the useful minerals are treated in considerable detail, particular attention being given to the metallic ores.

GRADUATE COURSES.

Graduate Courses.

The seminary in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate seminary in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate seminary in physiography is designed primarily for graduate students wishing to make physiography a major subject for the degree of Doctor of Philosophy. Further graduate seminaries in petrology and physiography will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and physiography, under the direction of Mr. Bissell, but students who make inorganic geology the major subject of examination must take either physiographic geology, inorganic chemistry, or crystallography as the associated minor and

students who elect physiographic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Seminary in Petrology and Crystallography, Dr. Bascom.

Three hours a week throughout the year.

(Given in each year.)

This seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students. In crystallography direction is given in crystal measurement with the two-circle goniometer, in crystal projection, and crystal drawing. The seminary involves as much laboratory work as the time of the student permits.

Seminary in Physiography, Mr. Bissell.

Three hours a week throughout the year.

(Given in each year.)

A broad study of the physiographic cycle forms the basis of this course. The general principles governing the development of land forms are applied to various physiographic types, and the evolution of surface features under the control of climate and geologic structure is studied in considerable detail. This is followed by a study of definite regions illustrating the application of physiographic principles to problems of structural, economic and stratigraphical geology. Lectures, outside reading, reports, map work and field excursions are the methods of instruction. Research problems will be taken up if time permits.

Geological Journal Club, Dr. Bascom and Mr. Bissell.

Two hours once a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Florence Peebles, Associate Professor of Physiology, and Miss Mary Jane Guthrie and Miss Hope Hibbard, Assistant Demonstrators in Biology.

The instruction offered in biology covers twenty-three hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate minor and major work; one hour a week of free elective work; six hours a week of post-major work, open to graduates and to undergraduates that have completed the major course in biology, and six hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physi-

ology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is desirable for students entering any course in biology, and is necessary for advanced work in the subject.

FIRST YEAR.

*(Minor Courses.)**1st Semester.**(Given in each year.)***Major Course.**

Lectures on General Biology, Dr. Tennent.

Three hours a week.

Laboratory Work, Dr. Tennent, Miss Guthrie and Miss Hibbard.

*Six hours a week.**2nd Semester.*

Lectures on General Biology, Dr. Tennent and Dr. Peebles.

Three hours a week.

Laboratory Work, Dr. Tennent, Dr. Peebles, Miss Guthrie and Miss Hibbard.

Six hours a week.

The first nine weeks of the semester are devoted to the morphology and physiology of vertebrates. The lectures on embryology of vertebrates follow, and are given three hours a week throughout the remainder of the semester.

It is the object of this course to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student studies a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

General Physiology, Dr. Peebles.

Three hours a week.

Laboratory Work, Dr. Peebles, Miss Guthrie and Miss Hibbard.

Six hours a week.

The instruction in general physiology consists of a systematic course of lectures upon the properties of living matter supplemented by experiments in the laboratory, and frequent oral or written quizzes.

In the laboratory the student becomes acquainted with the reactions of simple protoplasm and methods of analysis of such reactions, and performs a number of fundamental physiological experiments using vertebrates and invertebrates as material. The aim of the laboratory work is to develop the power of accurate observation and description, having in view the solution of problems rather than merely checking preconceived notions.

To this end all experiments are carefully written up and handed in with the graphic record, if any, for criticism, after which they are returned for correction. Any serious errors are discussed personally with the student.

2nd Semester.

General Zoology, Dr. Tennent and Dr. Peebles. *Three hours a week.*

Laboratory Work, Dr. Tennent, Dr. Peebles, Miss Guthrie and Miss Hibbard. *Six hours a week.*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life, the first nine weeks being devoted to a consideration of the morphology of the invertebrates and the remainder of the semester to a study of selected topics in physiology. Part of the course is devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.

FREE ELECTIVE COURSE.

Theoretical Biology, Dr. Tennent. *One hour a week throughout the year.*
(Given in each year.)

*Free
Elective
Course.*

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. Special attention is given to theories of evolution and heredity. A considerable amount of assigned reading is required.

POST-MAJOR COURSES.

Embryology of Vertebrates, Dr. Tennent. *One hour a week throughout the year.*
(Given in 1918-19 and again in 1920-21.)

*Post-
Major
Courses.*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Pig. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.
One hour a week during the first semester.
(Given in 1919-20 and again in 1921-22.)

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

Experimental Morphology, Dr. Tennent.*One hour a week during the second semester.**(Given 1919-20 and again in 1921-22.)*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. This course is to be taken with four hours laboratory work as a two-hour course.

Physiology of the Central Nervous System, Dr. Peebles.*Two hours a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

This course consists of lectures and reports on assigned reading and laboratory work. A specific problem is taken up and studied by physiological methods. The lectures deal with the functions of the nervous system from a comparative standpoint.

Physiology of Microorganisms.**Two hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

During the first semester the time is devoted to the study of yeasts, molds and bacteria. In the second semester problems of growth, cell division, regeneration and reproduction in Protozoa are treated. A specific problem is given to each student.

Physiological Chemistry.**Three hours a week throughout the year.**(Given in 1919-20.)*

This course consists of lectures, and laboratory work. At least six and a half hours a week of laboratory work are required. The laboratory work includes a study of certain proteins; fats and carbohydrates. A preliminary training in chemistry at least equivalent to that obtained in the minor course is desirable.

Laboratory Work, Dr. Tennent and Dr. Peebles.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

GRADUATE COURSES.**Graduate Courses.**

Nine hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in physiology under the guidance of Dr. Peebles.

* This course will be given by an instructor whose appointment will be announced later.

Seminary in Zoölogy, Dr. Tennent.*Three hours a week throughout the year.*

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1918-19 Embryology of Invertebrates is the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates, of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

In 1919-20 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines;" of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

In 1920-21 Cytology will be the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Seminary in Physiology, Dr. Peebles.*Three hours a week throughout the year.*

In 1918-19 Internal Secretions is the subject of the seminary.

In 1919-20 Animal Instincts and Tropisms will be treated.

In 1920-21 the Development of Modern Physiology will be studied. The work consists of reports by the students and discussion of recent advances in the subject.

Seminary in Physiological Chemistry.**Three hours a week throughout the year.**(Given in 1919-20.)*

Students taking this seminary are required to have a preparation in physiological chemistry at least equivalent to that given in the post-major course. Research work will be begun in the seminary.

Biological Journal Club, Dr. Tennent and Dr. Peebles.*One hour a week throughout the year.*

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent and Dr. Peebles.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, Committee Chairman, the Director of Gymnastics and Athletics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Resident Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and

* This seminary will be given in 1919-20 by an instructor whose appointment will be announced later.

lungs, and general health. The Physician in Chief of the College acts as consultant and is referred to in all unusual cases. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Resident Physician will be in her college office during the hours from eight to eight-thirty a. m. and from four to half past five of every day except Sunday and may be consulted by the students without charge.

Graduate students elected to fellowships or scholarships and also all other graduate students who are admitted to the college are medically examined and are required to comply with the health directions of the college physicians and register regular exercise. Holders of fellowships and scholarships who are found to be suffering from uncorrected eye trouble will be expected to follow the oculist's advice.

All students who are not on the medical supervision list of the attending physicians on account of illness are under the immediate care of the Director of Athletics and Gymnastics. She receives the reports of students on the medical supervision list, keeps careful records of the health of all students and endeavours by lectures, interviews, required exercise, and advice on general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to attend. A more advanced course of eight lectures on social hygiene is given each year by a woman physician which seniors are required to attend.

The infirmary fee of \$10.00 paid by every resident student entitles her to be cared for in the infirmary for four days (not necessarily consecutive) during the year without paying extra fees for nurses or for attendance by the college physicians, and also to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is

free at the time. In the case of an illness of more than four days' duration and also in the case of all diseases of an infectious character the student must meet, or in case of two or more students with the same infectious disease must share, the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges should she be removed from the college by order of the Physician in Chief. During the four days specified above the attendance fees of the college physicians are paid by the college. All fees after this time must be paid by the student.

A special nurse for one student costs \$5.30 per day (nurse's fee \$4.00, board \$1.00, laundry .30) or \$34.10 per week (nurse's fee \$25.00 per week, board \$7.00, laundry \$2.10). In the case of infectious diseases the special nurse costs \$6.50 a day or \$44.10 per week (nurse's fee \$35 per week). The infirmary fee is \$3.00 per day. It is often possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing. When a student has not an infectious disease the infirmary fee of \$3.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will excuse students for absence before and after vacations on account of serious illness and from attendance on academic work during the time that they are in the infirmary or seriously ill at home.

Physical Training.

The Physical Training of the students is under the direction of Miss Constance M. K. Applebee, Director of Gymnastics and Athletics, and Miss Helen Reed Kirk, Assistant to the Director of Gymnastics and Athletics.

Physical Training amounting to three hours a week throughout the year, divided into five periods a week, is required of all resident and non-resident undergraduates and hearers. During the year the following classes and games are organized by the

Department of Physical Training in co-operation with the Athletic Association of the students:

In the Autumn: Company drills, hockey, tennis, swimming.

In the Winter: Classes in fencing, gymnastics, interpretative and folk dancing, community singing, swimming and water polo, soccer.

In the Spring: Basketball, tennis, track, out-of-door dancing.

All undergraduates must take part in some of the classes and games mentioned above, and every undergraduate is required to take weekly swimming lessons until able to pass the required swimming test. For certain students corrective exercises are prescribed and must be taken under the direction of an instructor trained in medical corrective work. No undergraduate will be excused from any of the requirements except by order of the Director. The regulation gymnasium suit or athletic costume must be worn for all gymnastics or athletics.

A fee of three dollars a year is charged to each resident undergraduate, and seventy-five cents a semester to each non-resident undergraduate and to each resident graduate student for the up-keep of the athletic fields.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighbourhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. Bryn Mawr is connected with Philadelphia by frequent electric trains on the Pennsylvania Railroad and by an electric trolley running every twenty

minutes. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The Donors' Library, the gift of the friends, graduates, and students of the college, was begun in April, 1903, and completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side is the Art and Archæological Seminary, containing collections of photographs, vases, and coins. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Book Room, the Christian Association Library, two professors' offices, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and thirty-one professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art and Archæology, French and Italian and Spanish, German, Semitic Languages, Philosophy and Education in the north wing; Mathematics, History,

Economics, Carola Woerishoffer Department of Social Economy and Social Research, and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the two senior professors in each department adjoin the seminary rooms. There are also a general lecture-room accommodating forty-two students, and three interview rooms. On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. On the first floor of the north wing the department of Education has an experimental research laboratory. The basement of the north wing contains another experimental laboratory of the department of Education, two interview rooms, a room for the Monograph Committee of the Faculty, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M. till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnae and students.

The new gymnasium, erected on the site of the first gymnasium as a gift of the Athletic Association, the alumnae and thirteen neighbours of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily,

contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. The roof, 50 feet wide by 90 feet long, is used for gymnastic drills and students' entertainments. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnae, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and an assistant.

On the grounds, separated from other buildings, is the 1905 Infirmary. It was opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

Plans and descriptions of Taylor Hall, Donors' Library, Dalton Hall, the Gymnasium, the 1905 Infirmary and the six halls of residence, are published in Part 4 of the Bryn Mawr College Calendar and may be obtained from the Secretary and Registrar of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East. There is a club-room for non-resident students in Rockefeller Hall and also rooms where the students can have hairdressing and dressmaking done.

The Phebe Anna Thorne Open Air Model School of the department of Education is situated on the campus and has its own school building with out-of-door class rooms and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated

by thermostats in the heating coils and every room in the college has separate thermostatic control. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees day and night in all the bathrooms and stationary wash-stands and tea pantries.

Telephone pay stations by means of which the students may be reached at any time are maintained in the library, gymnasium, infirmary and in each of the halls of residence. The Western Union Telegraph and Cable Company delivers telegrams between the hours of 6 A. M. and 12 P. M. Near the college there are a United States money-order office, two banks and an office of the American Railroad Express.

LIBRARIES.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past thirty-three years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about ninety thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 53 and 88.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, Greek, French, Italian, Spanish, German, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

- Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.
- *Amherst Graduates' Quarterly.
- Annales Politiques et Littéraires.
- Athenæum.
- Atlantic Monthly.
- *Bibliothèque de la Faculté des Lettres de l'Université de Paris.
- Bookman.
- Bookman (English).
- Bookseller.
- *Bryn Mawr Alumnae Quarterly.
- Bulletin of Bibliography.
- *Bulletin of the New York Public Library.
- *Bulletin of the Pan-American Union.
- Century.
- *Columbia University Quarterly.
- Contemporary Review.
- Cumulative Book Index.
- Deutsche Rundschau.
- Dial.
- Drama.
- Les Écrits Nouveaux.
- Edinburgh Review.
- English Review.
- La Esfera.
- Fortnightly Review.
- Forum.
- Göttingische Gelehrte Anzeigen.
- Harper's Monthly Magazine.
- Harvard Graduates' Magazine.
- L'Illustration.
- Independent.
- Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
- *Johns Hopkins University, Circulars.
- Larousse Mensuel Illustré.
- Library Journal.
- Literary Digest.
- Living Age.
- †Memorial de la Librairie Française.
- Mercure de France.
- Mind and Body.
- *Monthly Bulletin of the Carnegie Library of Pittsburgh.
- Münchener allgemeine Zeitung.
- Mundo Grafico.
- Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
- Nation.
- Nation (English).
- Neue Rundschau.
- New Country Life.
- New France.
- New Republic.
- New Statesman.
- New York Times Index.
- Nineteenth Century.
- North American Review.
- Notes and Queries.
- Nuevo Mundo.
- Nuova Antologia.
- Outlook.
- *Pennsylvania Library Notes.
- Preussische Jahrbücher.
- Public Affairs Information Service Bulletin.
- Publishers' Weekly.
- Punch.
- Quarterly Review.
- Reader's Guide to Periodical Literature.
- Review of Reviews.
- Revue Critique d'Histoire et de Littérature.
- Revue de Paris.
- Revue des Deux Mondes.
- Revue Politique et Littéraire; *Revue Bleue*.
- Saturday Review.
- Scientia.
- Scribner' Magazine.
- Sewanee Review.
- Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.
- Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.
- Spectator*.
- Der Türmer.
- †Tipyn o' Bob.
- *University of California, Publications.
- *University of Colorado, Studies.
- *University of Missouri, Studies.
- *University of Nebraska, Studies.
- *University of Nevada, Studies.
- *University of Texas, Studies.
- *University of Washington, Studies.
- Die Woche.
- World's Work.

Newspapers.

- *College News, Bryn Mawr.
- *Home News, Bryn Mawr.
- London Times.
- New York Times.
- Philadelphia Public Ledger.
- La Prensa.

* Presented by the Publishers.

† Suspended publication.

Art and Archæology.

American Journal of Archæology.
 Art and Archæology.
 Art in America.
 Boletín de la Sociedad Castellana a Excursiones.
 Boletín de la Sociedad Española a Excursiones.
 British School at Athens, Annual.
 Bulletin of the Metropolitan Museum of Art, New York.
 Burlington Magazine.
 Denkmäler der Malerei des Altertums.
 Ephemeris Archæologike.
 Gazette des Beaux Arts.
 Jahrbuch des Kaiserlich deutschen archæologischen Instituts.
 Jahreshefte des österreichischen archæologischen Instituts in Wien.
 Journal of Hellenic Studies.

Journal international d'archéologie numismatique.
 Journal of the American Institute of Architects.
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Revue Archéologique.
 Rivista d'arte.
 Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
 All Opinions of the U. S. Supreme Court.
 *American Association for International Conciliation, Publications.
 American City.
 American Economic Review.
 *American Economist.
 American Federationist.
 American Journal of International Law.
 American Municipalities.
 American Political Science Review.
 *The Americas.
 Annalist.
 Annals of the American Academy of Political and Social Science.
 Bibliographie der Sozialwissenschaften.
 *Blätter für zwischenstaatliche Organisation.
 *Bulletin of the University of Wisconsin.
 Economics and Political Science Series.
 Canadian Municipal Journal.
 City Plan.
 City Record, Boston.
 Columbia Law Review.
 Columbia Studies in History, Economics and Public Law.
 *Congressional Record.
 *Cooperative Consumer.
 Economic Journal.
 Equity.
 Great Britain, Quarterly List of Official Publications.

Handbuch der öffentlichen Rechte.
 Harvard Law Review.
 †International Socialist Review.
 Jahrbücher für Nationalökonomie und Statistik.
 Johns Hopkins University Studies in Historical and Political Science.
 Journal of Political Economy.
 Journal of the Royal Statistical Society.
 Minnesota Municipalities.
 Municipal Journal.
 Modern City.
 Municipal Research.
 National Municipal Review.
 Political Science Quarterly.
 Proceedings of the Academy of Political Science.
 Publications of the American Economic Association.
 Quarterly Journal of Economics.
 Revue Bibliographique.
 Searchlight on Congress.
 *Single Tax Review.
 Suffragist.
 *University of Pennsylvania Publications, Series in Political Economy and Public Law.
 Yale Review.
 Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

* Presented by the publishers.

† Suspended publication.

Social Economy and Social Research.

- *Advance.
American Industries.
American Journal of Sociology.
American Labor Legislation Review.
- *American Pressman.
- *Bakers' Journal.
- *Broom-maker.
Bulletin of the International Labour Office.
Bulletin of the National Tuberculosis Association.
Bulletin of the National Society for Vocational Education.
- *Bulletin of the New York State Department of Labor.
- *Carpenter.
Charity Organization Review.
Child Labor Bulletin.
- *Commercial Telegraphers' Journal.
Community Center.
Economic World.
- *Electrical Worker.
- *Elevator Constructor.
Engineering News-Record.
Eugenics Review.
Factory.
Filing.
- *Garment Worker.
- *Glove Workers' Monthly Bulletin.
- *Granite Cutters' Journal.
Housing Betterment.
Industrial Arts Index.
Industrial Management.
Industrial News Survey.
- *Institution Quarterly.
- *International Bookbinder.
International Marine Engineering.
- *International Steam Engineer.
Iron Age.
Journal of Criminal Law.
Journal of Delinquency.
- *Journeyman Barber.
Journal of Heredity.
- *Journal of the Cigar Makers' International Union.
Journal of the Outdoor Life.
Labor Bulletin of the Massachusetts Bureau of Statistics.
- Labor Gazette.
- *(The) Lather.
- *Leatherworkers' Journal.
Life and Labor.
- *Longshoremén.
- *Machinists' Journal.
- *Miners' Magazine.
- *Mixer and Sower.
Nation's Business.
100%, The Efficiency Magazine.
(The) Organizer.
- *Patternmakers' Journal.
Playground.
Proceedings of the National Conference of Social Work.
- *Progressive Labor World.
- *Public Health, Michigan.
Publications of the American Statistical Association.
- *Railway Clerk.
Seaman's Journal.
- *Shoeworkers' Journal.
Social Hygiene.
Social Hygiene Bulletin.
Social Service Review.
- *Southern Workman.
Survey.
System.
- *Tailor.
- *Textile Worker.
- *Tobacco Workers' Journal.
- *Trade Union News.
Transactions of the American Child Hygiene Association.
- *Typographical Journal.
- *U. S. Bureau of Immigration, Publications.
- *U. S. Bureau of Labor Statistics, Bulletin.
- *U. S. Bureau of the Census, Publications.
- *U. S. Children's Bureau, Publications.
- *University of Illinois, Studies in Social Sciences.
- *University of Minnesota, Studies in Social Sciences.
Vocational Guidance Bulletin.
Women's Industrial News.
Women's Trade Union Review.
- *Woodcarver.

Education.

- †Berichte der Dalcroze Schule.
Education.
Educational Review.
Educational Times.
Elementary School Journal.
English Journal.
- History Teachers' Magazine.
Journal of Educational Psychology.
Journal of Experimental Pedagogy.
- *Journal of the Association of Collegiate Alumniæ.
Lehrproben und Lehrgänge.

* Presented by the publishers.

† Suspended publication.

Manual Training Magazine.
 National Education Association, Publications.
 Pädagogische Studien.
 Pedagogical Seminary.
 Revue Internationale de l'Enseignement Supérieur.
 Revue Universitaire.
 School and Society.
 School Journal.

School Review.
 School Science and Mathematics.
 Supplementary Education Monographs.
 Teachers' College Record.
 *U. S. Bureau of Education, Bulletin.
 *University of California Publications, Education.
 Zeitschrift für Pädagogische Psychologie.
 Zeitschrift für Schulgesundheitspflege.

History.

American Historical Association, Reports.
 American Historical Review.
 English Historical Review.
 Historical Manuscripts Commission, Reports.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.
 Klio, Beiträge zur alten Geschichte.

New York Times Current History of the European War.
 Révolution Française.
 Revue des Études Napoléoniennes.
 †Revue des Questions Historiques.
 Revue Historique.
 Round Table.
 Royal Historical Society, Transactions.
 Selden Society, Publications.

Philology and Literature, Classical.

†Bulletin Bibliographique et Pédagogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Commentationes Philologae Jenenses.
 Dissertationes Philologicae Halenses.
 Harvard Studies in Classical Philology.
 Hermes.
 Jahresbericht über die Fortschritte der Klassischen Altertumswissenschaft.
 Journal of Roman Studies.
 †Le Musée Belge, Revue de Philologie Classique.

Mnemosyne.
 Philologische Untersuchungen.
 Philologus.
 Quellen und Forschungen zur lateinischen Philologie.
 †Revue de Philologie.
 Revue des Études grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Sokrates.
 Studi Italiani di Filologia Classica.
 †Studi Storici per l'Antichità Classica.
 Wiener Studien, Zeitschrift für klassische Philologie.
 Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 †Eranos.
 Indogermanische Forschungen.
 Journal of English and Germanic Philology.
 Journal of Philology.
 Neue Jahrbücher für das klassische Altertum, Geschichte deutsche Literatur.

Philological Society, London, Publications.
 Transactions of the American Philological Association.
 Zeitschrift für die österreichischen Gymnasien.
 †Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Acta Germanica.
 Anglia.
 Anglistische Forschungen.

†Annales Romantiques.
 †Archiv für das Studium der neueren Sprachen.

* Presented by the publishers.

† Suspended publication.

- †Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
 Beiträge zur Geschichte der deutschen Sprache und Literatur.
 Bibliographical Society of America, Publications.
 Bibliographical Society of London, Transactions.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin hispanique.
 Chaucer Society Publications (both series).
 Deutsche Literaturzeitung.
 Deutsche Texte des Mittelalters.
 Dialect Notes.
 Early English Text Society, Publications (both series).
 English Leaflet.
 Englische Studien.
 Euphorion.
 Forschungen zur Neuren Literaturgeschichte.
 German American Annals.
 Germanisch-romanische Monatsschrift.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Henry Bradshaw Society, Publications.
 Jahrbuch der deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
 Kieler Studien zur englischen Philologie.
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
 †Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 The Library.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
- †Le Maltre phonétique.
 Malone Society, Publications.
 Materialien zur Kunde des älteren Englischen Dramas.
 Modern Language Notes.
 Modern Language Review.
 Modern Language Teaching.
 Modern Philology.
 Münchener Beiträge zur romanischen und *englischen Philologie.
 Palaestra.
 Poet-lore.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Kulturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue Celtique.
 Revue d'Histoire Littéraire de la France.
 †Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 University of North Carolina. Studies in Philology.
 Wiener Beiträge zur englischen Philologie.
 Yale Studies in English.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Litteratur.
 †Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

- American Journal of Semitic Languages and Literatures.
 Babyloniaca.
 Jewish Quarterly Review.
 Journal of the Society of Oriental Research.
 †Proceedings of the Society of Biblical Archaeology.
- †Recueil de Travaux relatifs a la Philologie et a l'Archéologie égyptiennes et assyriennes.
 †Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

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| <p>American Journal of Psychology.
 Année psychologique.
 Archiv für die gesammte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 †Behavior Monographs.
 †Berichte über den Kongress für experimentelle Psychologie.
 British Journal of Psychology.
 British Journal of Psychology: Monograph Supplements.
 †Bulletin de l'Institut Psychologique.
 Fortschritte der Psychologie.
 Hibbert Journal.
 International Journal of Ethics.
 †Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal Psychology.
 †Journal of Animal Behaviour.
 Journal of Applied Psychology.
 †Journal of Experimental Psychology.
 Journal of Philosophy, Psychology and Scientific Methods.
 Journal of Religious Psychology.
 Mind.</p> | <p>Monist.
 Philosophical Review.
 Proceedings of the Aristotelian Society.
 Proceedings of the Society for Psychical Research.
 Psychological Bulletin.
 Psychological Clinic.
 Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 Psychologische Arbeiten.
 Psychologische Studien.
 Revue de Métaphysique.
 †Revue de Psychothérapie.
 Revue philosophique.
 Training School Bulletin, Vineland.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrsschrift für wissenschaftliche Philosophie u. Soziologie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.</p> |
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Religion.

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| <p>*Alaskan Churchman.
 American Friend.
 American Journal of Theology.
 Anglican Theological Review.
 Biblical World.
 Expositor.
 Expository Times.
 Harvard Theological Review.
 †Herald of Gospel Liberty.
 †Indian's Friend.
 †Intercollegian.
 Journal of Biblical Literature.</p> | <p>Journal of Theological Studies.
 Proceedings of the Society of Biblical Archaeology.
 *Publications of the American Jewish Historical Society.
 Religious Education.
 Revue biblique.
 *Spirit of Missions.
 *Student World.
 *Woman's Missionary Friend.
 *World Outlook.</p> |
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Science, General.

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| <p>American Journal of Science.
 Atti della Reale Accademia delle Scienze di Torino.
 British Association for the Advancement of Science, Reports.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 International Catalogue of Scientific Literature.
 *Kansas University, Science Bulletin.
 Nature.
 *New York State Museum Bulletin.
 Philosophical Magazine.</p> | <p>Philosophical Transactions of the Royal Society of London.
 Proceedings of the American Philosophical Society.
 Proceedings of the National Academy of Sciences.
 Proceedings of the Royal Society of London.
 Science.
 Scientific American and Supplement.
 Scientific Monthly.
 *Technology Review.
 *U. S. National Museum, Publications.
 *University of Missouri Studies, Science Series.</p> |
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* Presented by the Publishers.

† In Christian Association Library.

†Suspended publication

Science, Biology.

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| <p>American Anthropological Association, Memoirs.
 American Anthropologist.
 American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia Physiologica.
 Biological Bulletin.
 Biologisches Centralblatt.
 Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Eugenics Laboratory Memoirs.
 Genetics.
 *Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Endocrinology.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.</p> | <p>Journal of General Physiology.
 Journal of Genetics.
 Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 *Midland Naturalist.
 Quarterly Journal of Microscopical Science.
 Stazione Zoologica di Napoli, Pubblicazioni.
 *U. S. Public Health Service Publications.
 *University of California Publications, Physiology.
 *University of California Publications, Zoology.
 *University of Pennsylvania, Contributions from the Botanical Laboratories.
 *University of Pennsylvania, Contributions from the Zoological Laboratories.
 *University of Toronto Studies, Biological Series.
 *University of Toronto Studies, Physiological Series.
 *Wilson Bulletin.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.</p> |
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Science, Geology, and Geography.

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| <p>Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.
 *Illinois Geological Survey Bulletin.
 Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.</p> | <p>Mineralogische und petrographische Mittheilungen.
 National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
 Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological Society.
 *Resources of Tennessee.
 *U. S. Monthly Weather Review.
 *University of Toronto Studies, Geological Series.</p> |
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Mathematics, Chemistry, and Physics.

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| <p>Acta Mathematica.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie.
 Annales de Physique.
 Annales scientifiques de l'Ecole Normale Supérieure.
 Annali di Matematica.
 Astrophysical Journal.
 Beiblätter zu den Annalen der Physik.
 Berichte der deutschen chemischen Gesellschaft.</p> | <p>Bibliotheca Mathematica.
 Bollettino di Bibliografia e Storia delle Scienze Matematiche.
 Bulletin de la Société Chimique de France.
 Bulletin de la Société Mathématique.
 Bulletin des Sciences Mathématiques.
 Bulletin of the American Mathematical Society.
 Cambridge Tracts in Mathematics.
 Chemisches Zentralblatt.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der Mathematik.</p> |
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Jahresbericht der deutschen Mathematiker
Vereinigung.
Journal de Chimie physique.
Journal de Mathématiques.
Journal de Physique.
Journal für die reine und angewandte
Mathematik.
Journal für praktische Chemie.
Journal of the London Chemical Society.
Journal of Physical Chemistry.
Kolloidzeitschrift.
Mathematische Annalen.
Messenger of Mathematics.
Monatshefte für Chemie.
Physical Review.

Physikalische Zeitschrift.
Proceedings of the London Mathematical
Society.
Quarterly Journal of Mathematics.
Rendiconti del Circolo Matematico di
Palermo.
Science Abstracts.
Transactions of the American Mathe-
matical Society.
*U. S. Bureau of Standards Bulletin.
Zeitschrift für anorganische Chemie.
Zeitschrift für Elektrochemie.
Zeitschrift für Mathematik und Physik.
Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 275,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to five-thirty P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 214,078 volumes. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 81,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 475,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 550,000 volumes and 265,000 pamphlets, and is at all times open to the students for consultation.

* Presented by the publishers.

The *American Philosophical Society Library*, which contains over 67,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 140,000 bound volumes, and 300,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

EXAMINATION FOR MATRICULATION.

The examination for matriculation must be taken by every-one who wishes to study in the undergraduate department of Bryn Mawr College as a candidate for a degree or as a special student following selected courses.*†

*Examina-
tion for
Matricu-
lation.*

The examination for matriculation may be taken also as a test of proficiency in elementary studies by candidates who have no intention of entering the college.

A matriculation certificate will be given to everyone who is successful in passing the examination.

* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examination of the college will be accepted, subject to certain conditions. For details see pages 181-183.

† When there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for, two exceptions may, in special circumstances, be made to the above rule, and two classes of students may be admitted to the college without passing the examination for matriculation:

(a) Students who present a certificate of honourable dismissal from an approved college. (See fifth paragraph of this note.)

(b) Women over twenty-five years of age who can furnish satisfactory proof that they have at some time studied the subjects required for admission to Bryn Mawr College may be admitted as "Hearers."

In the admission of students, however, preference will in all cases be given to candidates who have taken the regular examination for matriculation.

Students who have attended other colleges or universities must present a certificate of honourable dismissal, together with an official statement that they have studied in regular college classes for one college year exclusive of the summer vacation and have received the grade of passed on examinations covering at least one year of academic work in one of the regular college courses leading to the bachelor's degree of liberal arts, and are in good standing in said college, and able to take their degree there in due course. In addition to this year of college work such students must present credits fully equivalent to the Bryn Mawr College examination for matriculation.

Students who have failed to satisfy the requirements at other colleges, who have outstanding conditions, or have otherwise failed to meet prescribed college standards of academic work or conduct, or who have been put on probation, suspended, or excluded will under no circumstances be admitted to Bryn Mawr College. Such students will not be permitted to cancel their college work elsewhere, take the Bryn Mawr College examination for matriculation, and enter Bryn Mawr as regular freshmen.

Candidates who wish to be admitted to Bryn Mawr College on presentation of a certificate of honourable dismissal from a college or university the graduates of which are eligible for membership in the Association of Collegiate Alumni are not required to pass the Bryn Mawr College examination for matriculation, provided they can present the required number of entrance credits. Students presenting certificates of honourable dismissal from all other colleges and universities must take the regular examination for matriculation

Matriculation Certificate.

Matriculation certificates stating that candidates have passed the examination for matriculation and are qualified for admission to Bryn Mawr College will be issued to those candidates only who have been examined in *all* of the subjects required for matriculation and have shown by their examination that *all* of the subjects required for matriculation have been studied for a reasonable length of time. These subjects are counted as equivalent to twenty points. No certificate will be given unless the candidate has received the grade of "passed" in at least fifteen of the required twenty points.*† Matriculation certificates may be presented at any time for admission to the college. There is no time limit.

Admission Certificates.

Candidates holding matriculation certificates who wish to study in Bryn Mawr College must make application for admission on prescribed forms obtained in advance from the office of the Secretary and Registrar of the College. Such candidates will receive from the Secretary and Registrar formal admission

given by Bryn Mawr College. Such students are not permitted to take the examination for matriculation without informing the Secretary and Registrar of the College, in advance, at the time that they file their application to be examined, that they have studied at another college. Unless this rule is observed they will not receive a matriculation certificate.

In June, 1918, graduates of the following colleges and universities were eligible for admission to the Association of Collegiate Alumnae: Barnard College; Bates College; Beloit College; Boston University; Women's College in Brown University; Bryn Mawr College; University of California; Carleton College; University of Chicago; University of Cincinnati; Colorado College; University of Colorado; Cornell University; DePauw University; Drake University; Earlham College; Elmira College; Goucher College; Grinnell College; University of Illinois; Indiana University; The State University of Iowa; University of Kansas; Knox College; Lake Erie College; Lake Forest College; Lawrence College; Leland Stanford Jr. University; Massachusetts Institute of Technology; University of Michigan; Mills College; Milwaukee-Downer College; University of Minnesota; University of Missouri; Mount Holyoke College; The University of Nebraska; University of North Dakota; Northwestern University; Oberlin College; Ohio State University; Ohio Wesleyan University; Pomona College; Purdue University; Radcliffe College; University of Rochester; Rockford College; Smith College; Swarthmore College; Syracuse University; University of Texas; Trinity College; Vassar College; Washington University (St. Louis); University of Washington (Seattle); Wellesley College; Wells College; Western Reserve University; University of Wisconsin.

* Matriculation certificates must contain a complete record of the marks received in all of the twenty points. Candidates who have cancelled the First Division, the Second Division, or the Preliminary Division of the examination for matriculation must be examined again in all of the points of the cancelled division. It is not sufficient that the candidates at some previous time should have offered certain subjects, or points, in a division of the examination that has been cancelled. They must offer *all* cancelled points again except those points which have been offered and passed in the division which is to be counted. Neglect to comply with this rule will prevent candidates from receiving matriculation certificates.

† Matriculation certificates will not be issued to candidates who have failed completely in any one of the twenty points offered for the final matriculation certificate when such failure is of a character to indicate that the subject has been presented as a mere form, unless they can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

certificates.* Matriculation certificates qualify for admission but do not in themselves entitle candidates to study in Bryn Mawr College.

In the admission of students preference will be given to candidates of the highest promise, due regard being paid to examination grades, including the number of points passed, and also to evidence as to character, health, and general ability.

The examination for matriculation may be taken in three ways:—first, the whole examination, including all the twenty points, may be taken in one examination period (this examination being known as the Combined First and Second Division); second, the examination may be divided between two examination periods and may be taken in two parts known as the First Division and the Second Division; and third, the examination under certain specified conditions which must be strictly observed may be divided among three examination periods and may be taken in three parts known as the Preliminary Division, the First Division, and the Second Division. Not more than one calendar year and a summer vacation may elapse between the First Division and the Second Division. Not more than two calendar years and a summer vacation and not less than two years may elapse between the Preliminary Division and Second Division. Unless these rules as to time are strictly observed the First Division, or the Preliminary Division, respectively, will be automatically cancelled.

*Divisions
of
Examination
for
Matriculation.*

The Preliminary Division of the examination for matriculation was opened to candidates for the first time in the spring of 1916. This examination is planned to meet the wish of the preparatory schools for an examination in which to test the progress made by their pupils two years before completing their preparation for the final examination for matriculation; and

*Preliminary
Division.*

* Students who have been admitted to the college will be permitted to choose rooms in the halls of residence in order of application for rooms and are urged to make such application as early as possible. Application for rooms may be made at any time. It is not necessary to wait until the examination for matriculation has been taken.

Applications for rooms made by students studying at other colleges, or entering other colleges after applying for rooms at Bryn Mawr College, will not entitle them to an early choice of rooms. Such students will be admitted to the college only when there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for. Under no circumstances will students be admitted to Bryn Mawr College who have not made good at other colleges. (See footnote, page 165, seventh paragraph.)

also to relieve them from the strain of crowding all their preparatory work into the last two years before the final examination. This Preliminary Division of the examination for matriculation is regarded as an experiment the working of which should be carefully observed by the faculty of the college. It may therefore be taken only in the Bryn Mawr College examination for matriculation. The examinations of the College Entrance Examination Board may not be substituted for this Preliminary Division.

In the Preliminary Division candidates may be examined only in the following subjects:

	Points		Points
Algebra*.....	2	Ancient History.....	1
Plane Geometry*.....	2	English History†.....	1
Latin Prose Authors.....	2	English Grammar (old requirements only).....	1
Greek.....	3 or 2†	New Requirements only: Physiology and Hygiene or Chemistry, or Physical Geography or Botany..	1
French.....	3 or 2†		
German.....	3 or 2†		
Spanish.....	2†		
Italian....	2†		

The examinations in the above subjects are the regular matriculation examinations given for admission to Bryn Mawr College. § There is no restriction as to the number of points to be passed.

Any point or points passed will be credited in the Preliminary Division Certificate. || This Preliminary Division may be counted as part of the First Division of the examination for matriculation. The points passed in the Preliminary Division and in the First Division, provided their total number amounts to four points, may be added together and credited in the First Division Certificate. Candidates, are not, however, *required* to count the Preliminary Division as any part of the examination for matriculation. Candidates who have received the Preliminary Division Certificate in the Bryn Mawr

* Candidates may not be examined in *both* Algebra and Geometry in the Preliminary Division except under certain conditions, see footnote, page 180.

† For two point language examinations, see pages 189-190.

‡ American History may be substituted for English History by special permission.

§ For further description and details, see pages 183-190.

|| Preliminary Certificates may be exchanged for First Division Certificates in the following special case:—Candidates who have already received the Preliminary Division Certificate and find that they are able to complete the examination for matriculation within one calendar year and the summer vacation, instead of in two years time as was their original intention, may exchange their Preliminary Certificates for First Division Certificates, provided that at least four points have been passed; otherwise the Preliminary Division must be cancelled and the examination for matriculation taken in the usual way, *i. e.*, in two divisions (First Division and Second Division).

College Examination for Matriculation may complete their examination either in the Bryn Mawr College examination or in the examinations of the College Entrance Examination Board and receive the First Division Certificate, the Second Division Certificate, and the final Matriculation Certificate from Bryn Mawr College. Candidates may not try the examinations of the Preliminary Division more than once except in the special case of candidates who wish to cancel the Preliminary Division which they have taken and repeat it in the spring or autumn (not winter) examination for matriculation of the following year with the intention (stated in writing) of completing the whole examination for matriculation two years later.

Candidates who are not preparing for college may take the Preliminary Division as a test of proficiency in elementary studies.

In the First Division of the examination for matriculation candidates may offer any subjects, or points, they please and as many points as they please, provided, however, that they take care to offer a sufficient number of points (at least four) to secure a certificate. First Division Certificates will be given to those candidates who have passed in at least four points. The examination of candidates failing to pass in four points will be cancelled and must be repeated. Candidates are, therefore, advised to offer as many more than four points as possible in order to allow for the possibility of failure in one or more points.

*First
Division.*

Candidates holding a First Division Certificate must take the Second Division of the Examination for Matriculation within one calendar year and a summer vacation from the time of taking the First Division of the examination for matriculation; otherwise the First Division will be cancelled.*

* First Division Certificates may be exchanged for Preliminary Certificates in the following special case: candidates who have intended to take the matriculation examination of Bryn Mawr in two divisions only (the First Division and the Second Division) and have already received the First Division Certificate but are unable, on account of illness or for some other reason satisfactory to the Entrance Examination Committee of Bryn Mawr College, to take the Second Division of the examination for matriculation within one calendar year and the summer vacation from the time of taking the First Division, may, by consent of the Committee, be permitted to exchange their First Division Certificate for a Preliminary Certificate provided the First Division has been taken in the Bryn Mawr

*Second
Division.*

In the Second Division of the examination for matriculation candidates must be examined in all the points in which they were not examined in the First Division including the Preliminary when taken and must receive the grade of "passed" in at least fifteen of the twenty points required for matriculation in order to receive a complete Matriculation Certificate. In calculating these points all the points credited in the First Division Certificate will be counted. Candidates who have failed in five points may receive a Matriculation Certificate, *they must, however, have been examined in all of these five points*, either in the First Division or in the Second Division, *i. e.*, the final Matriculation Certificate must contain the grade received by candidates on all the required twenty points.

Not more than one calendar year and a summer vacation may elapse between the First Division and Second Division of the examination for matriculation; otherwise the First Division Certificate will be cancelled.

*Combined
First and
Second
Division.*

The whole examination for matriculation, *i. e.*, the Combined First and Second Division, including all the twenty points, may be taken in one examination period, but, unless the circumstances are exceptional, candidates are advised to avoid the strain of taking so many examinations at one time.

Candidates must be examined in all of the required twenty points and must receive the grade of "passed" in at least fifteen of the twenty points required for matriculation in order to receive a Matriculation Certificate.

*Time and
Place of
Examina-
tion for
Matricu-
lation.*

The examination is held at Bryn Mawr College in the spring, autumn, and winter of every year and is also held in the spring of every year in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond, St. Louis, and London (England). A fee of five dollars for the whole or any part of the examination must be paid by each candidate taking the examination at the above mentioned regular examination centres.

College examination and *not* in the examinations of the College Entrance Examination Board. Such candidates may accordingly take their examination for matriculation in three divisions like candidates who have planned in advance to take the Preliminary Division two years before completing their matriculation examination.

The examination for matriculation may be arranged by the College at other places in the spring, but not in the autumn or winter, in which case the usual fee of five dollars per person will be charged.

The examination for matriculation may be held in the spring at yet other places by special request for the benefit of certain schools or groups of candidates who are willing to meet the whole expense of the conduct of the examination by the College. The fee per candidate may be more but will not be less than five dollars for the whole or any part of such examination.*

The complete time schedule of the matriculation examination is printed at the end of this volume.

Application to take either the whole or any part of the examination for matriculation must be made in advance to the Secretary and Registrar of Bryn Mawr College, in accordance with prescribed regulations which differ according to the way in which the examination for matriculation is to be taken, whether at one time or in one of the three divisions (Preliminary Division, First Division or Second Division) into which it may be divided; and also according to the time and place of the examination. For this reason candidates and principals of preparatory schools are requested to read carefully the following regulations which are not subject to alteration:

*Applica-
tion to take
Examina-
tion for
Matricu-
lation.*

A fee of five dollars is charged for the whole or any part of the examination. Candidates holding a matriculation certificate must pay three dollars for each condition examination except punctuation for which the fee is one dollar.

* In the past ten years examinations have been held by request at the following places: Alabama: Gadsden; California: Bonita, Los Angeles, Piedmont, Redlands, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Washington, Waterbury; Georgia: Athens; Illinois: Springfield; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Council Bluffs, Davenport, Dubuque, Keokuk; Kentucky: Louisville; Maine: Portland; Maryland: Catonsville, Cumberland; Massachusetts: Fall River, Lowell; Michigan: Bay City, Detroit, Houghton; Minnesota: Faribault, Minneapolis; Missouri: Hannibal; Montana: Helena; Nebraska: Omaha; New Jersey: Lakewood, Princeton, Trenton; New York: Clinton, Cooperstown, Garden City, Glens Falls, Lake George, New Rochelle, Rochester, Rye, Saratoga Springs, Tarrytown; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Altoona, Bellefonte, Bradford, Greensburg, Harrisburg, Hazelton, Johnstown, Lancaster, Oxford, Scranton, Wilkes-Barre, York; Rhode Island: Providence; South Carolina: Charleston; South Dakota: Yankton; Tennessee: Memphis, Nashville; Texas: Dallas; Utah: Salt Lake City; Washington: Seattle; Wisconsin: Fond du Lac, Milwaukee; District of Columbia, Washington; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus.

*Application
for
Spring
Examination.*

Candidates who intend to take the spring examination at Bryn Mawr College are required to make application for this examination to the Secretary and Registrar on or before May 15th on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of five dollars. Candidates who apply for examination after May 15th will be charged an additional fee of five dollars, or ten dollars in all.

Candidates who intend to take the Bryn Mawr College examination for matriculation elsewhere than at Bryn Mawr are required to make application for this examination to the Secretary and Registrar of the College on or before April 15th and to follow the same procedure as in the case of candidates taking the spring examination at Bryn Mawr.*†

*Application
for
Autumn
and
Winter
Examinations.*

Candidates who intend to take the examination for matriculation at Bryn Mawr in the autumn or winter are required to make application for this examination to the Secretary and Registrar on or before September 15th, or January 1st, respectively, on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of five dollars. Candidates who apply for examination after September 15th and January 1st, respectively, will be charged an additional fee of five dollars, or ten dollars in all.

Attention is called to the fact that the examination for matriculation is given in the autumn and winter at Bryn Mawr College only.

The Preliminary Division of the examination for matriculation may not be taken in the winter, but only in the spring and autumn.

*Application
to take
Preliminary
Division
or
First Division
or to
Pass Off
Conditions*

Candidates who intend to take the Preliminary Division, or the First Division, or to pass off conditions imposed in a previous examination for matriculation, must follow the

* When the examination for matriculation is specially conducted by the College at the request of schools or groups of candidates the charge per candidate taking the examination may be more than five dollars but in no case will it be less, see page 171.

† For regulations governing those candidates who substitute for the Bryn Mawr College Examination for Matriculation the examinations held by the College Entrance Board, see pages 181-183.

procedure outlined under the heading Application for Spring Examination, or Application for Autumn and Winter Examinations according to the time at which they wish to be examined. They must state in their application whether they intend to take the Preliminary Division or the First Division or to pass off conditions. Candidates wishing to take the Preliminary Division must send with their application a statement in writing made by their school principal, their private tutor, or by themselves that they are taking the Preliminary division two years before they expect to complete the examination for the matriculation certificate.

Candidates who intend to complete the examination and thus become eligible to receive the Matriculation Certificate must follow the procedure outlined under the heading Application for Spring Examination or Application for Autumn and Winter Examinations according to the time at which they wish to be examined. They must state in their application whether they intend to take the whole examination for matriculation at one time, *i. e.*, the Combined First and Second Division, or the Second Division. They must in addition to the application to take the examination for matriculation which is required of all candidates, make a special application to receive the final Matriculation Certificate on prescribed forms obtained in advance from the Secretary and Registrar of the College. These forms must be filled in and returned to the office of the Secretary and Registrar before candidates intending to complete their examination for matriculation present themselves for examination. Until this rule is complied with candidates will not receive matriculation certificates.*

*Application
to take
Combined
First and
Second
Division
or
Second
Division of
Examination
for
Matricula-
tion.*

Four competitive matriculation scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final matriculation certificates in the spring matriculation examinations of Bryn Mawr College. One scholarship is awarded in each of the following districts: (a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio,

***Matricu-
lation
Scholar-
ships.***

* For regulations governing those candidates who substitute for the Bryn Mawr College Examination for Matriculation the examination held by the College Entrance Examination Board, see pages 181-183.

Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where the Bryn Mawr College examination for matriculation is held. These scholarships, which are to be held for one year only, are awarded in each of the above-named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required. The candidate in each district whose grades are next highest to the winner of the scholarship for that district will receive Honourable Mention.

Examinations for Advanced Standing.

**Examina-
tions for
Advanced
Standing.**

Candidates who wish to enter the college with advanced standing may offer the following subjects in addition to the twenty points required for the Matriculation Certificate: the Minor Course in Latin, Section A and Section B, counting as three and two hours throughout one year;* matriculation

* The minor course in Latin may be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

Greek, French or German (provided this was not taken in the examination for matriculation), counting as five hours throughout one year; trigonometry,* counting as two hours throughout one semester; Solid Geometry* counting as two hours throughout one semester. All of these subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work.

Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

Candidates holding Matriculation Certificates may remove conditions at any time before entering the college by passing the corresponding examinations in any of the regular periods at which the examination for matriculation is given. The usual fee of three dollars must be paid for each condition examination. Candidates are advised whenever it is at all possible to remove their conditions before entering the college, as the penalties imposed on freshmen for failing to pass off matriculation conditions are serious, and the time that must be

**Examination
to remove
Conditions.**

A. Cicero, Selected Letters, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company). Terence, *Phormio*, *Adelphoe* and *Andria* or by special request registered three months before the examination, Livy, *Book xxi*, and Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i, 25, 27, 33, 36; ii, 5; iii, 6, 15, 20; iv, 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Saeculare*, *Satires* i, 1, 5, 6, 9; ii, 6; *Epistles* i, 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

* For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 183.

spent in the necessary reviewing interferes materially with their college work.†

Matriculation conditions also may seriously disarrange their college course. Students with matriculation conditions in Greek, Latin, English, French, German, or Mathematics are not permitted to attend college courses in these subjects until the conditions have been passed off. As these courses run throughout the year conditioned students are prevented from taking them in their freshman year. Conditions in history or in science do not exclude students from college classes in history or science.

Point System.

*Explana-
tion
of Point
System.*

Assuming the usual amount of preparatory work, the number of points allotted to each subject in the examination for matriculation indicates approximately the time which pupils should devote to preparation in that subject during the last six years of their preparatory school course if a point is regarded as four or five recitation periods a week throughout one school year. If, for example, candidates take their matriculation examination under the New Requirements and study five subjects a year during the last six years of preparation for college, then Mathematics, Latin, and English should be studied four or five periods a week for four years each since each counts as four points in the examination; Ancient History and English History should each be studied for four or five periods a week for one year, since each counts as one point; Physics and Elementary Science should be studied for two or if possible for three years, since together they count as three points; and one of the three languages Greek or French or German should be studied for five periods a week for at least three years,

† Students must pass off all matriculation conditions within the first semester after entering the college under penalty of exclusion from full college work during the second semester. Students who have not passed off all their matriculation conditions at the end of the second semester after entering the college will be required to withdraw from the college for one year (an exception being made in the case of students conditioned in one point only, such students being permitted to take an examination in this point in the following September, the penalty for failure to pass being in this case also withdrawal from the college for one year). Students must pay a fee of three dollars for each conditioned matriculation examination with the exception of conditions in punctuation for which one dollar is charged.

since each counts as three points. The minimum time, therefore, that should be spent in preparing for the matriculation examination under the new Requirements is nineteen school periods a week for six years, leaving free for a daily study period and other non-college preparatory subjects eleven periods a week throughout these six years. The point system assumes that the school work in the last six years before entering the college rests on a foundation of solid work in the elementary school.

Matriculation Subjects.

The examination for matriculation in Bryn Mawr College is planned to furnish the best possible foundation for the work required of all candidates for the bachelor's degree in the college and at the same time to give the best possible mental discipline and liberal training both to candidates entering the college and to those who are unable to continue their studies beyond the preparatory school. Certain subjects, such as Latin, Mathematics, English, Physics, Ancient History, one additional ancient or modern foreign language are regarded as essential elements of a thorough school course. Certain other subjects are regarded as less essential to be taken before entering the college and between such subjects certain options are permitted. The New Matriculation Requirements (which came into effect for the first time as optional examinations in 1918 and which will become obligatory in and after the spring of 1923) throw more emphasis on history and science and less on language although an optional examination in a fourth language in addition to Latin and English and the third language required of all candidates may still be taken if preferred. Such candidates must, however, supplement their lack of preparation in history and science by electing courses in these subjects during their college course.* The New Requirements also permit examinations in Italian and Spanish to be offered for matriculation under certain conditions. Attention is called

*Subjects
Required
in the
Examina-
tion for
Matricu-
lation.*

* In this connection it should be noted that if a fourth language is offered in the examination for matriculation and kept up during the freshman and sophomore years it will greatly lighten the work of preparing for the language examination required of all students at the beginning of the junior year.

to the fact that candidates who do not wish to study German may offer for the matriculation examination and also later in their college course Greek or French or Italian or Spanish.

Matriculation Examination.

**Tabular
Statement
of
Subjects
Required
in
Examina-
tion for
Matricu-
lation.**

The examination* known as the Old Requirements will be accepted until the winter of 1923, but candidates may also offer the examination known as the New Requirements. The Old Requirements and the New Requirements may not, however, be combined, except in case of the new English examinations which are advised for all candidates. Candidates intending to complete their examination for matriculation in 1923 must take the New Requirements examination in the Preliminary Division and in the First Division of the examination for matriculation.

Examination for Matriculation, Old Requirements. Tabular Statement.

I. Required of all candidates.

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry.....	2
Latin Grammar and Prose Composition.....	1
Latin Prose Authors.....	2
Latin Poets.....	1
English Grammar†.....	1
English Composition.....	3
Ancient History.....	1
Physics.....	1

II. Two of these three languages required of all candidates.

<i>Subjects.</i>	
Greek Grammar and Prose Composition.....	1
Greek Prose Authors.....	1
Greek Poets.....	1
French Grammar and Composition.....	1
French, Translation.....	2
German Grammar and Composition.....	1
German Translation.....	2
Two of these three languages... 6	

 20

* Printed sets of matriculation papers may be obtained for fifty cents from the Secretary and Registrar of the College.

† The New English Examination, see definition, pages 184-185, is optional in and after 1918 and obligatory in 1921.

Examination for Matriculation, New Requirements.

Obligatory for candidates in and after the spring of 1923. Before the spring of 1923, candidates may offer *either* this examination *or* the Old Requirements examination, but may not combine the two forms of examination. Candidates completing their examination for matriculation in 1923 must take these examinations in the Preliminary Division and in the First Division also.

*Tabular Statement.***I. Required of all candidates.**

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry.....	2
Latin Grammar and Prose Composition.....	1
Latin Prose Authors.....	2
Latin Poets.....	1
English Literature.....	2
English Composition.....	2
Ancient History.....	1
Physics.....	2

II. One of these three languages required of all candidates.

<i>Subjects.</i>	
Greek Grammar and Prose Composition.....	1
Greek Prose Authors.....	1
Greek Poets.....	1
French Grammar and Composition.....	1
French Translation.....	2
German Grammar and Composition.....	1
German Translation.....	2
} One of these three languages.... 3	

III. One of the following two groups of two points required of all candidates.

GROUP ONE.*

<i>Subjects.</i>		
English History†.....	1	}
Science, (Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany).....	1	
<i>or</i>		
		2

or

*Candidates are advised to select Group One whenever possible. Candidates who select Group Two are required to make good their deficiency in history and science after they enter the college by electing as courses required for the bachelor's degree history, five hours a week for one semester and science (in addition to the year of required science and not counting as a second year of science), five hours a week for one semester; or history, five hours a week for one year, provided history has not been selected as a group subject; or science, five hours a week for one year, provided science has not been selected as a group subject.

† American History may be substituted for English History when the school preparing the candidate submits satisfactory proof that English History cannot be included in the school course, and also when the school prefers to prepare in American History but can furnish a certificate that the candidate has had a good course in English History within four years before entering college.

GROUP TWO.*

<i>Subjects.</i>		<i>Points.</i>
Greek Grammar and Composition and Translation	2	} One of these languages.....2
French Grammar and Composition and Translation	2	
Italian Grammar and Composition and Translation	2	
Spanish Grammar and Composition and Translation	2	
German Grammar and Composition and Translation	2	
		20

The Preliminary Division.

Candidates who wish to take some of their examinations two years before entering the college may avail themselves of the Preliminary Division which may be taken only in the Bryn Mawr College Examinations either in the spring or autumn of any given year. The subjects that may be offered in this Division are as follows:

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry†.....	2
English Grammar (Old Requirements).....	1
Greek.....	3 or 2
French.....	3 or 2
German.....	3 or 2
Spanish.....	2
Italian.....	2
Latin Prose Authors‡.....	2
Ancient History.....	1
English History, or by special permission American History (New Requirements)§.....	1
Science, either Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany (New Requirements).....	1

For a full explanation of this examination, see pages 167-168 and 173.

* Candidates offering Group Two must not select for examination a language which they have offered, or intend to offer, for the three-point examination in language required of all candidates. Candidates who select Group Two and offer for examination the two-point option in Greek, French, Italian, Spanish, or German must pass a supplementary examination after entering the college, provided they wish to enter one of the regular minor courses in this language. All the minor courses in language are based on the amount of preparation required for a three-point matriculation examination, except Latin and English, which assume preparation equivalent to at least four points.

† If Algebra and Geometry are offered in this examination, the candidate must undertake to offer Solid Geometry or Trigonometry before entrance, and at least one of the four papers Algebra, Plane Geometry, Solid Geometry and Trigonometry must be offered by the candidate in the first or second division of the examination.

‡ This subject is included in the hope that the schools will be able to readjust their work so as to offer it in this examination.

§ American History may be substituted for English History when the school preparing the candidate submits satisfactory proof that English History cannot be included in the school course and also when the school prefers to prepare in American History but can furnish a certificate that the candidate has had a good course in English History within four years before entering college.

|| For the two-point language examinations, see pages 189-190.

Examination of the College Entrance Examination Board.

The Examinations of the College Entrance Examination Board which are designated below as equivalent to the matriculation examinations of the college will be accepted for admission to the college, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The Preliminary Division must be taken in the Bryn Mawr College examination, but candidates may take either the First Division or the Second Division or both in the Bryn Mawr College examination, or in the examinations of the College Entrance Examination Board.

Not more than one calendar year and a summer vacation may elapse between the First Division and Second Division of the examination for matriculation. There is no other restriction as to time; for example, candidates may present themselves for the First Division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the Second Division in the examination held by the College Entrance Examination Board in the third week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Board three weeks later.

In case a sufficient number of points to secure a Matriculation Certificate is not passed in two divisions of the examination the points taken in one division must be cancelled, and all the points offered in the cancelled division (except those points which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the points in which the candidate has been conditioned to ensure her passing in the required number of points.

Candidates who have passed the fifteen points necessary to receive a Matriculation Certificate may remove conditions by passing the corresponding examinations in the Bryn Mawr College examination for matriculation or in the examination of the College Entrance Examination Board.

Candidates taking the College Entrance Examination Board's examinations will not be considered in the awarding of the four Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible for these scholarships when the finals are taken in the autumn examination.

TABLE OF EXAMINATIONS OF THE COLLEGE ENTRANCE EXAMINATION BOARD EQUIVALENT TO THE BRYN MAWR COLLEGE EXAMINATION FOR MATRICULATION.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
<i>Subjects.</i>		<i>Subjects.</i>	<i>Points.</i>
Mathematics: Algebra, A.....	=	Algebra.....	2
Mathematics: C.....	=	Plane Geometry.....	2
Latin: 1 and 6, taken together.....	=	Latin Grammar and Prose Composition.....	1
Latin: P.....	=	Latin Prose Authors.....	2
Latin: Q.....	=	Latin Poetry.....	1
English: 1.....	=	English Grammar Old Requirements..	1
English: 2.....	=	English Composition Old Requirements	3
English: 1.....	=	English Literature New Requirements..	2
English: 2.....	=	English Composition New Requirements.....	2
History: A.....	=	Ancient History Old and New Requirements.....	1
History: C.....	=	English History New Requirements..	1
History: D.....	=	American History New Requirements..	1
Greek: F.....	=	Greek Grammar and Composition Old and New Requirements.....	1
Greek: G.....	=	Greek Prose Authors Old and New Requirements.....	1
Greek: CH.....	=	Greek Poetry Old and New Requirements.....	1
Greek, Comprehensive*.....	=	Greek Grammar and Composition, Prose Authors and Poets, Old and New Requirements.....	3
Greek: F and G or F and CH or G and CH taken together.....	=	Greek: Two-point option.....	2
French: A and B.....	=	French Grammar and Translation Old Requirements.....	3
		or French two-point option.....	2
French, A and BC.....	=	French Grammar and Composition and Translation New Requirements	3
French, Comprehensive*.....	=	French Grammar and Composition and Translation Old or New Requirements.....	3
German: A and B.....	=	German Grammar and Translation Old Requirements.....	3
		or German two-point Option.....	2
German, A and BC.....	=	German Grammar and Composition and Translation New Requirements	3

* Since the comprehensive examinations are not graded students offering these will receive in case they pass only the passing mark 60 per cent.

<i>Subjects.</i>		<i>Subjects.</i>	<i>Points.</i>
German, Comprehensive*.....	=	German Grammar and Composition and Translation Old or New Requirements.....	3
Spanish Elementary.....	=	Spanish, two-point option.....	2
No Equivalent.....	=	Italian two-point option.....	2
Physics.....	=	Physics Old and New Requirements 1 or 2	
Physics, Comprehensive*.....	=	Physics Old and New Requirements 1 or 2	
Chemistry.....	=	Chemistry New Requirements.....	1
Chemistry Comprehensive*.....	=	Chemistry New Requirements.....	1
Botany.....	=	Botany New Requirements.....	1
Geography.....	=	Physical Geography New Requirements	1
Biology.....	=	Physiology and Hygiene New Requirements.....	1

Examinations for Advanced Standing.

Mathematics: D.....	=	Solid Geometry.
Mathematics: E.....	=	Trigonometry.
No Equivalent.....	=	Minor Latin.

Definition and Description of Subjects of Examination for Matriculation.

I. Mathematics.—Algebra. (Counting as two points.) Plane Geometry. *Mathematics.* (Counting as two points.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text-books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations: C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham); Phillips and Fisher's *Elements of Geometry* (abridged edition); Wentworth's *Geometry*.

II. Latin.—Grammar and Composition. (Counting as one point.) *Latin.* Translation at sight of simple passages in Latin prose. (Counting as two points.) Translation at sight of simple passages of Latin poetry. (Counting as one point.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Gallie War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations*, *Letters*, and *De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Æneid*, *Bucolics*, and *Georgics*), and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Gallie War*, I–IV, Cicero, *Manilian Law*, *Archias*, and four *Orations against Catiline*, and Vergil, *Æneid*, I–VI. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

* Since the comprehensive examinations are not graded students offering these will receive in case they pass only the passing mark 60 per cent.

English.

III. English.—New type of Examination, optional until the winter of 1921 and obligatory in and after the spring of 1921.

English Literature. (Counting as two points.) English Composition. (Counting as two points.) In consequence of changes recently made in the college course in English Composition and after consultation with a number of preparatory schools, the college has modified the matriculation examinations in English. This new type of examination will be optional until the winter of 1921 and will be obligatory in and after the spring of 1921. Papers illustrative of the new examination may be obtained from the Secretary and Registrar of the College.

The English examination will be in two parts, neither of which may be taken as a preliminary: Part I, Literature; Part II, Composition. As a basis for the examination a list of books is prescribed chosen from the list agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States. From the Bryn Mawr list such a selection should be made as will give the candidate a fair idea of the progress of English literature from the time of Shakespeare to the Nineteenth Century. An intelligent reading, not a detailed knowledge of these books is expected, though it is hoped that the candidate will commit to memory some of the best passages of prose and poetry. For the better understanding of her reading she should be familiar with the important events in the lives of the authors that she studies and with the general character of the periods to which they belong. In Part I of the examination passages outside the prescribed reading will also be given to test the candidate's ability to read intelligently, and the definition of words and the explanation of well-known references and allusions will be asked for.

The candidate's ability to write English will be judged by the form and quality of her work in both parts of the examination and, in particular, by a composition of 350 words which will constitute Part II of the examination. In this composition the candidate will be asked to develop a theme through several paragraphs to its conclusion. Of three or four subjects assigned for the choice of the candidate, one will be on the reading prescribed for the examination and two or three will relate to matters of general knowledge or personal experience.

No separate paper on Grammar and Punctuation is set, but the candidate's knowledge of these subjects will be judged by her practice. Ability to punctuate her own sentences correctly is expected, and a knowledge of grammar and good usage—for example, of the different kinds of sentences and the relation of clauses within the sentence, of the sequence of tenses, and of the use of auxiliaries, prepositions, conjunctions and verbs.

In grammar and rhetoric no text-books are prescribed, but the following will suggest the preparation required: Robins and Perkins, *Introduction to the Study of Rhetoric* (Macmillan); *Manual of Composition and Rhetoric*, Gardiner, Kittredge, and Arnold (Ginn and Co.); Boynton, *Principles of Composition* (Ginn and Co.).

The Department of English will be glad to consider comments and suggestions from the schools relative to the examination. Such com-

munications should be sent to the office of the Secretary and Registrar of the College.

Reading. The English examination will be based on the following books chosen from the list of books prepared by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States.

A. All selections in this group are to be read, due regard being paid to the alternatives offered among Shakespeare's plays. Shakespeare: 3 plays—1 comedy, 1 tragedy, and 1 history—are to be chosen from the following list. *A Midsummer Night's Dream, The Merchant of Venice, As You Like It; Julius Caesar, Macbeth; Richard II, Henry V, Richard III.* Addison and Steele, *The Sir Roger de Coverley Papers*; Burke, *Speech on Conciliation with America*; *The Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats and Shelley; Coleridge, *The Ancient Mariner*.

B. Two selections are to be made from each of the following four groups: 1. *A Collection of English and Scottish Ballads*, as, for example, some Robin Hood ballads, *The Battle of Otterburn, King Estmere, Young Beichan, Bewick and Grahame, Sir Patrick Spens*, and a selection from later ballads. Milton, *L'Allegro, Il Penseroso*, and either *Lycidas* or *Comus*; *The Golden Treasury* (first series), Books II and III; Pope, *The Rape of the Lock*; Macaulay, *Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivy*.

2. Scott, *The Lady of the Lake* or *Marmion*; Byron, *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*; Browning, *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Lost Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus," Instans Tyrannus*; Tennyson, *The Princess, or Gareth and Lynette, Lancelot and Elaine*, and *The Passing of Arthur*; Arnold, *Sohrab and Rustum* and *The Forsaken Merman*.

3. Lamb, *Essays of Elia* (about 200 pages); Macaulay, *Life of Johnson* or *Essay on Milton*; Ruskin, *Sesame and Lilies*; Stevenson, *An Inland Voyage* or *Travels with a Donkey*; Huxley, *Autobiography* and Selections from *Lay Sermons* including the addresses on *Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk*.

4. Bunyan, *Pilgrim's Progress*, Part I; Swift, *Gulliver's Travels* (Lilliput and Brobdingnag); Defoe, *Robinson Crusoe*; Scott's Novels, any one; Jane Austen's Novels, any one; Dickens' Novels, any one; Thackeray's Novels, any one; George Eliot's Novels, any one; Stevenson, *Treasure Island, Kidnapped, Master of Ballantrae*; Hawthorne, *House of the Seven Gables*.

The old type of examination as follows may be offered instead of the new type up to and including the spring of 1921:

English Grammar. (Counting as one point.) **English Composition.** (Counting as three points.) The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English Grammar may be taken in the Preliminary Examination and consists of the correction of passages of incorrect English. Questions will be asked to test the candidate's knowledge of the grammatical principles involved in the corrections, in especial concerning the details of sentence structure. The examination in English Composition consists of a critical composition of 350 words, and in addition, of one or two paragraphs in which the candidate is asked to give in a descriptive or narrative form the substance of important parts of the required reading.

Candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the

North Central States, and the Southern States: Shakespeare's *As You Like It*, *The Merchant of Venice*, *Julius Cæsar*, and *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Essay on Milton*; Tennyson's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*; Stevenson's *Inland Voyage* and *Travels with a Donkey*.

In preparing for this examination special attention should be given to the structure of the whole composition, and the analysis of model essays, for example Arnold's *Essay on Gray*, is recommended. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for paragraph structure, sentence structure, and punctuation.

History.

IV. History.—The outlines of Ancient History. (Counting as one point.)

In Ancient History the period covered will extend from the rise of Egypt and Babylonia to the coronation of Charlemagne in 800 A. D. Most attention will be given to the history of Greece and Rome, less to the history of the oriental empires and to the time following the Germanic invasions. Knowledge of the geographical setting of events will be tested by questions referring to an outline map furnished in the examination. It will be assumed that more instruction has been given in narrative than in constitutional history. The latter can best be taught by showing the character of developed constitutions rather than by requiring a knowledge of all steps through which constitutions came into being. Questions will be asked about the social life of the ancient world as well as about the general development of its thought and art. Standard texts, such as Goodspeed-Ferguson's *History of the Ancient World*, Webster's *Ancient History*, Botsford's *History of the Ancient World*, and West's *Ancient History* (revised) should serve as a suitable basis for instruction. Supplementary reading on selected topics and the writing of papers relating to this reading are desirable exercises. Teachers will find useful such interpretations as Zimmern's *Greek Commonwealth*, Ferguson's *Greek Imperialism*, Dickinson's *Greek View of Life*, Fowler's *Social Life at Rome in the Age of Cicero*, Frank's *Roman Imperialism*, and Dill's *Roman Society from Nero to Marcus Aurelius*.

Physics.

V. Physics.—For candidates offering the matriculation examination (New Requirements) Physics will count as two points, and for those offering the matriculation examination (Old Requirements) a different examination paper will be set and the subject will count as one point.

Physics should be studied in one or both of the last two years of preparation for college, the equivalent of at least one year being devoted to the subject with five periods weekly of at least forty minutes each for recitations and demonstrations. Two additional periods of laboratory work should be required and regarded as part of the outside preparation. A brief statement of the laboratory work of each candidate should be prepared by the teacher or tutor and submitted at the time of the examination. It should include an estimate of the quality as well as of the amount of work done by the candidate. A specimen examination paper, to be obtained from the Secretary and Registrar of the College, may be taken as fairly typical of the papers that will be sent.

No particular text-books are prescribed, but among books that may be recommended are Millikan and Gale's *A First Course in Physics* and *Laboratory Manual*, Black and

Davis's *Practical Physics*, N. Henry Black's *A Laboratory Manual in Physics*. For supplementary reading *Physics of the Household*, by C. J. Lynde, will be found helpful. Attention is called to the fact that Millikan and Gale's *Laboratory Manual* contains a list of apparatus necessary for experiments, which may be purchased at a cost of not more than \$150 in the current year.

VI. Two of the following languages:

Greek.—Grammar and Composition. Very simple prose composition with words and construction taken from Xenophon's *Anabasis*, with questions to test the knowledge of regular forms and the rules of elementary syntax. (Counting as one point.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*, with questions on the parts of verbs and syntax involved. (Counting as one point.) Translation at sight of passages of average difficulty from Homer. (Counting as one point.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

Greek.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

French.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French. There will be a passage of English to be translated into French accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This examination is a test of the candidate's power to read at sight ordinary French prose and verse.

French.

For the examination in reading no texts are assigned. The passages for translation given in the New Plan Examinations will be somewhat more difficult than those given under the old requirements. They will be accompanied by questions in grammar and syntax based on the text.

Teachers preparing students who wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

German.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German. There will be a passage of English to be translated into German accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

German.

For the examination in reading no texts are assigned. The passages for translation given in the New Plan Examinations will be somewhat more difficult than those given under the old requirements. They will be accompanied by questions in grammar and syntax based on the text.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

NEW REQUIREMENTS EXAMINATIONS.

**New
Require-
ments
Examina-
tions.**

These examinations are optional until the winter of 1923. In and after the spring of 1923 they will be obligatory for all candidates taking the examination for matriculation. Candidates completing their examination for matriculation in 1923 are required to take the Preliminary Division and the First Division according to the New Requirements. Both in the Old Requirements and in the New Requirements all candidates must take Mathematics, Latin, English, Ancient History, and Physics. There is no change in these subjects or in the points they represent except that in the New Requirements Physics counts two points instead of one point as in the Old Requirements. Both in the Old Requirements and in the New Requirements all candidates must take an examination counting three points in Greek, or French, or German, known as the language three-point examination, but the three-point examination in the fourth language which was obligatory in the Old Requirements is done away with in the New Requirements and two examinations, each counting one point, in English History (or American History), and in one of the four sciences (Physiology and Hygiene, Chemistry, Physical Geography, or Botany) are substituted for it.

History.

History.—The outlines of the History of England; or the outlines of the History of the United States. (Counting as one point.)

Andrews' *History of England*, Cheyney's *A Short History of England*, and McLaughlin's *History of the American Nation*, Adams and Trent's *History of the United States*, or Andrews' *History of the United States*, will indicate the preparation required in the History of England and the United States.

Science.

Science.—The elements of one of the following sciences:*—Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany. (Counting as one point.) Stiles's *Human Physiology and Nutritional Physiology* or Hough and Sedgwick's *Human Mechanism* supplemented by demonstration and laboratory work; Remsen's *Introduction to the Study of Chemistry* (Briefer Course) or Alexander Smith's *Text-book of Elementary Chemistry*; Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*. Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology* will serve to indicate the preparation required.

* In and after the spring examinations, 1919, these subjects will no longer be included in the matriculation examination, old requirements; all candidates will be required to offer Physics. Students offering the new matriculation examinations must offer in addition to Physics either Chemistry or Botany or Physical Geography or Physiology and Hygiene, unless they avail themselves of the option of a two-point foreign language.

TWO-POINT OPTION IN LANGUAGE.

For the above examinations in History and Science, counting one point each, candidates may substitute an examination counting two points in a fourth language (in addition to Latin and English and the third language required of all candidates) and may choose for this examination any one of the five languages, Greek, French, Italian, Spanish, or German which has not been offered, or will not be offered, for the third examination in Language.†

*Two-Point
Option in
Language.*

Greek.—Candidates may offer two of the three points, Grammar and Composition, one point; Prose Authors, one point, and Poets, one point. The two examinations must be taken in the same examination period.

*Two-Point
Greek.*

The examination will test the knowledge of Greek that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two point option in Greek in the examination for matriculation will not be permitted to enter the minor course in Greek given in the college without a supplementary examination.

French.—Grammar and Composition and Prose and Verse Translation. (Counting as two points.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French, and also the candidate's power to read at sight simple French prose and verse.

*Two-Point
French.*

The examination will test the knowledge of French that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in French in the examination for matriculation will not be permitted to enter the minor course in French given in the college without passing a supplementary examination.

Italian.—Grammar and Composition and Translation at sight of simple passages in Italian prose and verse. (Counting as two points.)

*Two-Point
Italian.*

The examination will test the knowledge of Italian that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two point option in Italian in the examination for matriculation will not be admitted to the major course in Italian given in the college without passing a supplementary examination.

Italian Grammar—Grandgent (Heath and Co.); Italian Grammar—Phelps (Ginn and Co.); Italian Short Stories, ed. Wilkins and Altrocchi (Heath and Co.); An Italian Reader, ed. A. Marinoni (W. R. Jenkins Co., N. Y.), are recommended as text-books.

Spanish.—Grammar and Composition and Translation at sight of simple passages in Spanish prose and verse. (Counting as two points.)

*Two-Point
Spanish.*

The examination will test the knowledge of Spanish that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered the two-point option in Spanish in the examination for matriculation will not be permitted to enter the major course in Spanish given in the college without passing a supplementary examination.

Coester's Spanish Grammar (First 21 lessons), (Ginn and Co.); Crawford's Spanish Composition (Holt and Co.); Marcial Dorado's Reader, España Pintoresco (Ginn and Co.), are recommended as text-books.

† Only Greek or French or German may be offered for the three-point language examination. Italian or Spanish may not be offered.

*Two-Point
German.*

German.—Grammar and Composition and Prose and Verse Translation. (Counting as two points.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German, and also the candidate's power to read at sight simple German prose and verse.

The examination will test the knowledge of German that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in German in the examination for matriculation will not be permitted to enter the minor course in German given in the college without passing a supplementary examination.

REQUIREMENTS FOR DEGREES.

*Studies
Leading
to the
Degree of
Bachelor
of Arts.*

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of two of the five languages, Greek, French, Italian, Spanish or German‡ and must have passed the matriculation examination in Latin. She must have attended college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;§ she must have fulfilled the requirements of the departments of health, athletics and gymnastics.

If, at the end of her junior year, or in February of her senior year, a student has received a grade *below* seventy per cent in as many as one-half the one hundred and twenty hours required for her degree that she has offered for examination, she will be required to withdraw from the college; and students who have not obtained merit in as many as one-half of the

* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination (including Minor Latin and Matriculation Greek when taken in the examination for matriculation and advanced standing examinations in foreign languages) and also trigonometry, and solid geometry when offered for advanced standing must be counted. A grade once received may not be cancelled.

† Since this merit law went into effect in 1907 no student who has not fulfilled the requirements as above stated has received a degree.

‡ If Greek is the language offered for entrance French or German must be offered for examination at the beginning of the junior year.

§ Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

hours offered for examination, or have been conditioned in five or more hours, are liable to be asked to withdraw at the end of any semester and are to be regarded as on probation.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken of the 120 hours required for her degree will be permitted to hold office in any of the organizations of the college, or of the student body, to take part in any entertainment requiring preparation, to undertake any paid work or to compete for, or hold any college scholarship.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

*Required
Studies.*

Elementary Greek or Minor Latin, five hours a week for one year. Those students, however, who offered Greek in the examination for matriculation may substitute for the elementary course in Greek the minor course in Greek or the minor course in Latin.* These courses may not be taken later than the junior year.

English, five hours a week for two years.

Philosophy and Psychology, five hours a week for one year.

Science, five hours a week for one year.

Post-major courses in one or both group subjects, five hours a week for one year; *or Any other subject*, five hours a week for one year.

Two Major Courses, of five hours a week for two years each, constituting one of the following groups: any Language with any Language;† History with Economics and Politics, or with French, or Italian, or Spanish or German or History of Art; Economics and Politics with Philosophy, or with Psychology, or with Geology; Philosophy or Psychology, or Philosophy and Psychology‡ with Greek, or English, or Economics and Poli-

*Major
Courses.*

* A student choosing Greek as one of the subjects of her group, and not wishing to study Latin, may substitute for the year of Greek five hours a week for one year of post-major Greek, or a year of French, or Italian, or Spanish, or German.

† A student choosing Latin as one of the subjects of her group and not wishing to study Greek may substitute for the year of minor Latin five hours a week for one year of post major Latin, or a year of French, or Italian, or Spanish, or German.

‡ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

§ For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.

tics, or Mathematics, or Physics; Philosophy with Latin or Psychology or Geology; Psychology with Biology; Classical Archæology with Greek or Latin; History of Art with French, or Italian, or Spanish, or German; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

*Free Elective
Courses.*

Free Elective Courses,* amounting to five hours a week for two years (10 hours in all), to be chosen by the student. It should be noted that any minor course may be taken as a free elective without electing the group that includes it, and any courses open as free electives may be chosen without taking the remainder of the minor course of which they may form a part.

*Reading
Knowledge
of two
Languages.*

Reading Knowledge of Two Languages. At the beginning of each college year every undergraduate student is required to take a written examination of one hour in length in the language, Greek, or French, or German, that she has offered for matriculation. If she fails to pass this examination she is required to attend, and pay for, special classes in the language one or two hours a week throughout the year in question. If she fails to pass this examination at the beginning of her senior year she must take another examination on the Saturday preceding the final examinations of the year in question. Failure to pass will defer her degree until the following year.

At the beginning of the junior year every member of the junior class is required to take a written examination of one hour in length in one of the languages Greek, or French, or Italian, or Spanish, or German, but the language selected may not be the one offered for matriculation, and students who have offered Greek for matriculation must offer for their junior examination either French or German. If the student fails to pass this examination she is required to attend during her junior year the elementary course in the language in which she has failed, unless she has already taken this course. In this case she must attend a special class in the language two hours a week throughout the year and must pass an examination in it at the beginning of her senior year. The examination must be passed before the degree is conferred.

* Students who have offered in the examination for matriculation the two-point option in foreign languages permitted in the New Requirements in place of history, one point, and science, one point, are required to take five hours of free elective in history and science as follows: history, five hours a week for one semester and science (in addition to the year of required science), five hours a week for one semester; or history, five hours a week for one year, provided history has not been selected as a group subject; or science, five hours a week for one year, provided science has not been selected as a group subject.

The studies required for a degree may for convenience be tabulated as follows:

Tabular Statement.

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.*
English. [Two Courses.]	Philosophy and Psychology.	Science: Physics, or Chemistry, or Geology, or Biology.	Post-major courses in one or both group subjects or Five hours a week for one year in any other subject.	Elementary Greek, or Minor Latin (or Minor Greek.)

Two Major Courses (Five hours a week for Two Years Each).

Constituting any one of the following sixty-nine groups:

I—XXV. Any Language with any Language† (Twenty-five Groups).	XXVI. Modern History with French.	XXVII. Modern History with Italian.	XXVIII. Modern History with Spanish.
XXIX. Modern History with German.	XXX. Modern History with Economics and Politics.	XXXI. Modern History with History of Art.	XXXII. Economics and Politics with Philosophy.
XXXIII. Economics and Politics with Geology.	XXXIV. Philosophy with Greek.	XXXV. Philosophy with Latin.	XXXVI. Philosophy with English.

* Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year. Students selecting Greek or Latin as one of their group subjects are referred to the footnote, page 191.

† For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

XXXVII. Philosophy with Psychology.	XXXVIII. Philosophy with Mathematics.	XXXIX. Philosophy with Physics.	XL. Philosophy with Geology.
XLI. Philosophy and Psychology with Economics and Politics.	XLII. Philosophy and Psychology with Greek.	XLIII. Philosophy and Psychology with English.	XLIV. Philosophy and Psychology with Mathematics.
XLV. Philosophy and Psychology with Physics.	XLVI. Psychology with Economics and Politics.	XLVII. Psychology with Greek.	XLVIII. Psychology with English.
XLIX. Psychology with Mathematics.	L. Psychology with Physics.	LI. Psychology with Biology.	LII. Classical Archæology with Greek.
LIII. Classical Archæology with Latin.	LIV. History of Art with French.	LV. History of Art with Italian.	LVI. History of Art with Spanish.
LVII. History of Art with German.	LVIII. Mathematics with Greek.	LIX. Mathematics with Latin.	LX. Mathematics with Physics.
LXI. Mathematics with Chemistry.	LXII. Mathematics with Geology.	LXIII. Mathematics with Biology.	LXIV—LXIX. Any Science with any Science (Six Groups).

*Free Elective Courses.**

Ten hours a week for one year in any subject, or subjects, the student may elect.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation Greek, and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Matriculation Greek or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Modern, or Ancient History, or Post-major Greek or Latin, or Minor Philosophy, or Minor Mathematics. *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Modern, or Ancient History, or Minor English or Minor Philosophy. *As Group*, French and Italian, or French and Spanish, or French and Italian and Spanish, or Italian and Spanish, or French and German. *As Free Electives*, Italian or Post-major Spanish, or French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and French, or English and Italian and Spanish, or English and Spanish, or English and German, or English and Philosophy. *As Free Electives*, Latin or Greek and English, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Physics, Post-major Mathematics or Mod-

* See, however, footnote to page 192 for statement restricting five hours a week for one year of free elective of students who have offered for matriculation the two-point option in foreign language in place of science and history.

ern or Ancient History, or Major Latin. *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, any Science, any Language, or Post-major History, or Economics and Politics, or Minor Philosophy, or Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), Minor Latin, or Post-major Greek, or Modern, or Ancient History, or Minor Mathematics. *As a Group*, Greek and Philosophy. *As Free Electives*, Minor English and Minor Psychology ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), any Language, or Modern, or Ancient History, or Minor Economics and Politics. *As a Group*, English and Philosophy. *As Free Electives*, Psychology and English, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), Minor Spanish or Italian, or Minor Economics and Politics, or Minor Philosophy, or Elective Education. *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Post-major Modern History.

PHILOSOPHY or PSYCHOLOGY (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History). *As a Group*, Philosophy or Psychology with Economics and Politics, or with Mathematics, or with Physics. *As Free Electives*, Post-major Economics, and Politics, or Mathematics, or Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Biology, or Geology), any Modern Language or Ancient History, or

Minor Philosophy, or Mathematics. *As a Group*, Greek and Classical Archæology. *As Free Electives*, Elective or Post-major Greek, or Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Matriculation Greek, or Minor Latin] English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics, or Elective Mathematics). *As a Group*, Physics and Chemistry, or Physics and Geology, or Physics and Biology, or Chemistry and Geology, or Chemistry and Biology, or Geology and Biology. *As Free Electives*, Mathematics and Physics, or Chemistry, or Geology, or Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, or Minor Latin (if not taken as a required study), ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group*, Economics and Politics and Philosophy, or Psychology. *As Free Electives*, Elective Social Economy, or Education, or Philosophy, or Psychology.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, or economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any language with any language, or Chemistry and Biology. *As Free Electives*, Major History, five hours a week for one year, and Post-major History, or Oriental History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Major History, Major Economics and Politics, and for Oriental History, Post-major Economics and Politics, or Elective Social Economy.

III. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Physics and Chemistry, or Geology, or Biology. *As a Group*, any language with any language. *As Free Electives*, Major and Post-major Physics, or Chemistry, or Geology, or Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Oriental History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work. Regular attendance at classes is required.

The studies leading to the degree of Bachelor of Arts may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, should take the general English literature lectures and composition in their first and second years in the college because they are required to complete this work before entering the major course in English. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and Matriculation Greek, French, or German, or Minor Latin may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of French, Italian, or Spanish, or German by attendance on advanced school or college classes, or by residence abroad, or by study under instructors or governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the

*Studies
Leading
to a
Second
Degree.*

graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

*The Degree
of
Master of
Arts.*

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee before the third week in October. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

*The Degree
of
Doctor of
Philosophy
and
Master of
Arts.*

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time.*—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence.*—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

* It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;* in the independent minor she shall take for one year two seminars, or graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation*.—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita),

* A course will not be regarded as equivalent to a seminary unless it requires about one-third of the student's time.

of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Fees for Residence and Tuition.

Tuition for Under- graduate Students.

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.† An emergency fee of \$100 a year payable in advance by every undergraduate student, resident or non-resident, has been added to meet the increased cost of wages, coal, and the labour and materials for the necessary routine repairs to buildings. This emergency fee is not applied to any increases in the cost of tuition or food. Undergraduate students holding scholarships given for financial need are exempt from this charge. The average cost of teaching each undergraduate student was \$428 a year in 1917-18 and will be in excess of \$475 in 1919-20. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional two hundred and seventy-five dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of three hundred dollars can be made

* Using the application blank issued by the Graduate Committee.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one-half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

on account of absence, illness, dismissal during the currency of a semester, term, or year, or for any other reason whatever and no refunding will be made on account of any said causes in case of a payment in advance.

Every student who enters the college must register immediately at the comptroller's office, and must register her courses in the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

***Residence
for
Under-
graduate
Students.***

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighbourhood. The expense of board and residence in the college halls for undergraduate students is four hundred dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is four hundred or four hundred and seventy-five dollars. Of this charge three hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, and the Physicians of the College. See pages 149 to 151 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

* Rugs and towels must be furnished by the students themselves.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary and Registrar of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since reserving a room unnecessarily may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded only in the following cases. In all other cases the deposit will be forfeited to the college.

a. If an applicant who is a student of the college gives formal notice to the Secretary and Registrar of the College before the first of May preceding the academic year for which the application is made that she wishes to withdraw her application.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary and Registrar of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary and Registrar of the College before the first of December preceding the semester for which the application is made that she wishes to withdraw her application.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room for the second semester will be responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary and Registrar before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal after September first of any given year for any cause whatsoever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

In case of prolonged illness and absence from the college extending over six weeks or withdrawal from the college for a period of six weeks or more, there will be a special proportionate reduction in the charge for board, provided that written notice be given to the Dean of the College and to the Comptroller at the time of withdrawal, or, in case the student is ill at home, as soon as possible after her illness is known. Verbal notice to wardens or instructors is not sufficient to secure the above allowance.

Rooms are assigned to members of the entering class who have already received their Matriculation Certificate and their Certificate of Admission to the College during the summer preceding the academic year for which application is made. Candidates who do not complete their examinations until the autumn and are admitted to the college will be assigned rooms

* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

then if any rooms are vacant. No particular room or set of rooms may be applied for. Candidates who are admitted are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Students are expected to provide their own rugs, curtains and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The student's personal washing may be done by any laundry recommended by the college for one dollar a dozen, or about \$16 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at \$1.50 a day or \$10.50 a week. During the Christmas vacation the halls of residence are closed but accommodation is provided on or near the college campus. During the Easter vacation the halls of residence are in general kept open and undergraduate and graduate students may occupy their own rooms at the above rates.

Students remaining during any part of the Christmas or Easter vacations in Bryn Mawr, or the immediate neighbourhood, not in their own homes, are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation. Students not going to their own homes are required to inform the Secretary and Registrar in advance of their intention to spend the vacation elsewhere and to register their addresses in the college office.

**Summary
of
Expenses
for
Under-
graduate
Students.**

For undergraduate students the fees are as follows:

Tuition for the academic year, payable October 1st.	\$200.00
Room-rent for the academic year, payable October 1st.	100.00*
or \$175, \$250, \$275, \$300, \$325, \$350, \$400, \$450, \$525, depend- ing on the room or rooms occupied.	
Infirmary fee for the academic year, payable October 1st.	10.00
Board for the academic year, payable in equal instalments, October 1st and February 1st.	300.00
Emergency fee.	100.00
<hr/>	
Total for tuition, residence, and infirmary fee for the academic year with minimum room-rent.	\$710.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year.	10.00
For laboratory course of four or more hours a week for the academic year.	20.00
Graduation fee.	20.00

* In about one-sixth of the college rooms the rent is \$100, making the cost of board, residence, and tuition for undergraduate students \$710, but students desiring to apply for rooms at \$100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Doris Earle, Chestnut Hill, Philadelphia, Miss Mary Christine Smith, 1108 Spruce Street, Philadelphia, Miss Alice Dudley Patterson, Chestnut Hill, Philadelphia, and Miss Elizabeth Yarnall Maguire, 3813 Spruce Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

Loan Fund.

SCHOLARSHIPS.—Four competitive entrance scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:—(a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Scholarships.

Eight scholarships for non-resident students of \$200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The Scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded

every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of \$200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgement of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of \$200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship of the value of \$200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of \$200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of \$400 each, for one year, are open to those graduates of Earlham, Penn., and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the College to promote the advanced education of women in the Society of Friends, of which he was a member.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships, two in number, each of the value of \$250 for one year, were founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than forty-five hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than forty and not more than seventy-five hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either

of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, two members of the Faculty of the College, appointed annually by the Council, the President of the Alumnae Association of Bryn Mawr College and three other members of the Alumnae Association appointed by the executive committee of the Alumnae Association. Application for the scholarships should be addressed to the Recording Dean and Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Anna M. Powers Memorial Scholarship of the value of \$200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College.

A special Thomas H. Powers Memorial Scholarship of the value of \$200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Anna Hollowell Memorial Scholarship of the value of \$100 was founded in 1912 by the family of the late Anna Hollowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

The Frances Marion Simpson Scholarships, four in number, each of the value of \$200, were founded in 1912 by Mr. Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship to be awarded in each October, to a candidate who receives her final certificate in the preceding spring matriculation examination. Competition for these scholarships is open in the first place to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania, so long as she shall be conducting the same; or in default thereof to residents of other counties in Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition or if living at a distance, the fees for tuition and board, in Bryn Mawr College are entitled to compete. In special cases the scholarship may be awarded to a candidate from some other locality, in which case the restriction to preparation in public schools may also be relaxed, or it may be awarded to some one who can pay part of the charge for her tuition, or for her tuition and board, but not the whole thereof.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Mary Anna Longstreth Memorial Scholarship of the value of \$200 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae, and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a student who needs financial aid to begin or continue her college course.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

The Chicago Bryn Mawr Club has presented annually since 1914 the sum of \$100 to be used as a scholarship for a student in financial need. This scholarship may be awarded, if necessity arise, for use during the second semester to enable the holder to remain in college.

The Pittsburgh Bryn Mawr Club founded in 1917 a competitive entrance scholarship of the value of \$200. The applicant for this scholarship must have received her last two years of preparation for college in Allegheny County, Pennsylvania, and the scholarship will be awarded to the candidate satisfying this requirement who has received the highest average grade in the examinations for matriculation. Application for this scholarship must be addressed to the Bryn Mawr Club of Pittsburgh before June 1st of the year in which the applicant desires to enter the college.

The Charles S. Hinchman Memorial Scholarship of the value of \$500 was founded in 1917 in memory of the late Charles S. Hinchman of Philadelphia by his family. The holder will be nominated to the Faculty by the Undergraduate Scholarships Committee of the Faculty which will be guided in its selection by (1) the student's record in her group

subjects, (2) written recommendations from the instructors in these subjects, (3) evidence of the student's ability as shown by written work in her group subject together with a written estimate of the same by the instructor most directly concerned, such work to be submitted not later than March 15th of the year preceding the one in which the scholarship is to be awarded.

The Elizabeth S. Shippen Scholarships were founded in 1917 by the bequest of the late Elizabeth S. Shippen of Philadelphia. Three scholarships will be awarded each year, one to a member of the senior class and two to members of the junior class, as follows:

The Shippen Foreign Scholarship of the value of \$200 will be awarded each year to the member of the senior class who is elected to the Bryn Mawr European Fellowship.

The Shippen Scholarship in Science of the value of \$100 will be awarded annually to the member of the junior class, one or both of whose major subjects lie in one of the Scientific Departments, viz., Physics, Chemistry, Geology, Biology, who among those of her class so majoring shall have attained the highest average grade in courses taken in one of these departments.

The Shippen Scholarship in Foreign Languages of the value of \$100 will be awarded annually to the member of the junior class, one or both of whose major subjects lie in one of the Departments of Foreign Languages, viz., Greek, Latin, German, French, Italian, Spanish, who among those of her class so majoring shall have attained the highest average grade in courses taken in one of these departments.

The computation of the average grades will be based on the grades received during the Freshman, Sophomore, and the first semester of the Junior years. Grades on elementary courses shall not be included. No student shall be considered eligible for the Science or Foreign Language Scholarship who has not completed at least fifteen hours of work in the subject on which the computation is based. The winner of the Charles S. Hinchman Memorial Scholarship will not be eligible for the Shippen Scholarship in Science or in Foreign Language.

FOUNDATION OF SCHOLARSHIPS.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

FORM OF BEQUEST.

*I give and bequeath to The Trustees of Bryn Mawr College,
a corporation established by law in the State of Pennsylvania,
the sum of.....to be invested and
preserved inviolably for the endowment* of Bryn Mawr College,
located at Bryn Mawr, Pennsylvania.*

Dated.....

* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

*Tuition
for
Graduate
Students.*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. An emergency fee of \$100 has been added to meet the increased cost of food, coal, and of the labour and materials for the necessary routine repairs to buildings. Holders of fellowships and graduate scholarships and graduate students taking less than eight hours of lectures are exempt from this charge. For other graduate students* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures forty dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the controller's office, and must register her courses at the president's

* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated below are charged in addition to the charge for tuition.

office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

The fee for the graduate laboratory course in applied psychology is \$5 a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of \$5 a semester and are also required to provide themselves with two 50 trip tickets between Bryn Mawr and Philadelphia costing \$15.30. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

*Laboratory
Fees.*

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is four hundred dollars. Of this amount three hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance.* Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.†

*Residence
for
Graduate
Students.*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be

* For a statement of the conditions under which the fee for board may be reduced in case of prolonged illness and absence from the college, see page 205.

† Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College.

**Summary
of
Expenses
for
Graduate
Students.**

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:	
For one hour* a week of lectures.....	\$10.00
For two hours a week of lectures.....	20.00
For three hours a week of lectures.....	30.00
For four or five hours a week of lectures.....	40.00
For six or more hours a week of lectures.....	62.50
Room-rent for the academic year, payable on registration.....	100.00
Board for the semester payable on registration.....	150.00
Emergency fee for the year.....	100.00
Total expenses for the academic year:	
Tuition fee, for six or more hours a week of lectures.....	125.00
Room-rent.....	100.00
Board.....	300.00
Infirmary fee.....	5.00
Emergency fee.....	100.00
Total for tuition, residence, and infirmary care for the academic year	
\$630.00	
Laboratory fees for the academic year.....	\$10 to \$36

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

**European
Travelling
Fellow-
ships.**

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the ex-

* See footnote, page 212.

penses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary Elizabeth Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

These fellowships are awarded to assist candidates for the Doctor's degree at Bryn Mawr College to complete their preparation. It is therefore understood that holders of the President M. Carey Thomas and Mary Elizabeth Garrett Fellowships will not present themselves as candidates for the degree of Doctor of Philosophy elsewhere than at Bryn Mawr College.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who shows such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

The Helen Schaeffer Huff Memorial Research Fellowship in Physics or Chemistry of the value of \$750, and eighteen resident fellowships, of the value of \$525 each, are awarded annually in Greek, Latin, English, Romance Languages, Semitic

*Resident
Fellow-
ships.*

Languages and Biblical Literature, History, Philosophy, Psychology, Education, Archæology, Mathematics, Physics, Chemistry, Geology and Biology, in Economics and Politics named the Justus C. Strawbridge Fellowship, and two in Social Economy and Social Research named the Carola Woerishoffer Memorial Fellowships. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

*Duties of
Resident
Fellows.*

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of five hundred and thirty dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

A resident Intercollegiate Community Service Association and Bryn Mawr College joint fellowship* was established in 1915 and is offered by the Intercollegiate Community Service Association and by some alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$525, \$125 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the Philadelphia College Settlement and pay the usual charges for board and lodging of \$7 per week, and the usual fees for full time graduate instruction in Bryn Mawr College amounting to \$125 per year, and in addition the usual laboratory and transportation fees. Two additional joint fellowships of the value of \$450, are offered by the Intercollegiate Community Service Association in conjunction with Smith and Wellesley Colleges to graduates of Smith College and Wellsley College, respectively, who wish to prepare themselves for community service. By special arrangement with the Committee on Scholarships these scholarships may be held in connection with the College Settlement of Philadelphia and Bryn Mawr College. Smith and Wellesley alumnae are referred for further information to Miss Hilda Worthington Smith, Bryn Mawr, Pennsylvania.

Two graduate scholarships entitling the holders to free residence and a nominal rate for board in the Settlement are offered by the College Settlement of Philadelphia to candidates who wish to study in the Carola Woerishoffer Department on condition that they will give at least six hours a week to work in the Settlement.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

*Resident
Graduate
Scholar-
ships.*

The Margaret Kingsland Haskell resident scholarship in English composition of the value of seven hundred and fifty dollars is offered in 1918-19 and in each succeeding year and in

* The term fellowship is used here because adopted by the Intercollegiate Community Service Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

1920-21 and every third year thereafter two scholarships in English composition of the same value will be offered. These scholarships are open to graduates of Bryn Mawr College or of any college of good standing under the same conditions as the twenty graduate scholarships mentioned above.

The Susan B. Anthony Memorial Scholarship in Social Economy and Social Research or in Politics was founded by the Executors of the late Susan B. Anthony, Dr. Anna Howard Shaw and Miss Lucy E. Anthony, in memory of Susan B. Anthony's work for women's college education. The holder is expected to devote one-third of her time to the study of politics and must investigate educational, social, or industrial conditions affecting women.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of two hundred dollars is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Scholarships for British, French, Italian, Swiss, Scandinavian and Dutch Women.

Twelve graduate scholarships of the value of five hundred and thirty dollars each are offered, four for English, Scotch, or Irish women, four for French women, two for Italian women, one for Swiss women and one for women from Scandinavia or the Netherlands. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, five hundred and thirty dollars covers the fees for tuition, board, room-rent, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations

when scholars who remain at the college have to pay the expenses of board and residence.*

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

*Duties of
Resident
Scholars.*

Application for resident fellowships or scholarships should be made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the first* of April preceding the academic year for which the fellowship or scholarship is desired. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

*Applications
for Resident
Fellowships
and
Scholarships.*

* Applications for the Scholarships open to British, French, Italian, Swiss, Dutch, and Scandinavian women must be received by April the first, they should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed to the Recording Dean of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., or in the case of French scholars they may be addressed to M. Petit Dutailis, Office National des Ecoles et Universités Françaises, 96 Boulevard Raspail, Paris.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

- BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1] p., O. Baltimore, The Friedenwald Company. 1896.
- BLISS, ELEANORA F., AND JÓNAS, ANNA I. Relation of the Wissahickon Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-Schist of the Doe Run-Avondale District, Coatesville, Quadrangle, Pennsylvania. 64 p., O. February, 1914.
- BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae. p. 470-512, O. 9 pl. Baltimore. 1907.
Reprint from *Journal of Experimental Zoology*, vol. 4, No. 4.
- BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castilian and Catalan Literature. 233 p., O. 5 pl. New York, Paris, Mâcon, Protat Frères. 1905.
Reprint from *Revue Hispanique*, t. xii.
- BOWERMAN, HELEN COX. Roman Sacrificial Altars. An Archæological Study of Monuments in Rome. 101 p., O. 11 pl. Lancaster, Pa., The New Era Printing Co. 1913.
- BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1] p., O. Baltimore, The Friedenwald Company. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.
- BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and Podocoryne and the Development of Hydractinia. 34 p., O. Boston, Ginn and Company. 1894.
Revised reprint from *Journal of Morphology*, vol. 9, No. 2.
- BYRNES, ESTHER FUSSELL. The Maturation and Fertilization of the Egg of *Limax Agrestis* (Linné). p. 201-236+[1], O. Boston, Ginn and Company. The Athenæum Press. 1899.
Reprint from *Journal of Morphology*, vol. 16, No. 1.
- CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.

- COULTER, CORNELIA CATLIN. *Retractatio in the Ambrosian and Palatine Recensions of Plautus. A Study of the Persa, Poenulus, Pseudolus, Stichus, and Trinummus.* 118 p., O. Bryn Mawr, Pennsylvania. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. x.
- CUMMINGS, LOUISE DUFFIELD. *On a Method of Comparison for Triple-Systems.* p. 311-327, Q.
Reprint from *Transactions of the American Mathematical Society*, vol. 15, No. 3. July, 1914.
- DARKOW, ANGELA CHARLOTTE. *The Spurious Speeches in the Lysianic Corpus.* 95 p., O. Bryn Mawr, Pennsylvania. 1917.
- DUCKETT, ELEANOR SHIPLEY. *Studies in Ennius.* 78 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xviii.
- DUDLEY, LOUISE. *The Egyptian Elements in the Legend of the Body and Soul.* 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.
- ELLIS, ELLEN DEBORAH. *Introduction to the History of Sugar as a Commodity.* 117 p., O. Philadelphia, The John C. Winston Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. iv.
- EMERY,* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.
- EVERS, HELEN MARGARET. *Critical Edition of the Discours de la Vie de Pierre de Ronsard, par Claude Binet.* iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ii.
- FAHNESTOCK, EDITH. *A Study of the Sources and Composition of the Old French Lai D'Haveloc.* 138 p., O. Jamaica, Queensborough, New York, The Marion Press. 1915.
- FOSTER, FRANCES ALLEN. *A Study of the Middle-English Poem Known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd., London and Bungay. 1914.
Reprint from *The Northern Passion*, vol. II. *Early English Text Society, Original Series*, 147, 1914 (for 1913).
- FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company. 1895.
- GENTRY, RUTH. *On the Forms of Plane Quartic Curves.* [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

* Mrs. Francis Greenleaf Allinson.

- GIBBONS, VERNETTE LOIS. The Potentials of Silver in Non-aqueous Solutions of Silver Nitrate. 32 p., O. Easton, Pa., Eschenbach Printing Co. 1914.
- GRAHAM, MINNIE ALMIRA. A Study of the Change from Violet to Green in Solutions of Chromium Sulphate. 50 p., O. pl. 3. Easton, Pennsylvania, Eschenbach Printing Company. 1912.
- HALL, EDITH HAYWARD.* The Decorative Art of Crete in the Bronze Age. 47 p., 3 pl., Q. Philadelphia, The John C. Winston Co. 1907.
Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania*, vol. 2, part 1. 1906.
- HANNA, MARY ALICE. The Trade of the Delaware District before the Revolution. p. 239-248, O.
Reprint from *Smith College Studies in History*, 1917.
- HARMON, ESTHER. Johanna Schopenhauer. 115 p., O. Munich, Kastner and Callwey. 1914.
- HARPER, CARRIE ANNA. The Sources of the British Chronicle History in Spenser's Faerie Queene. 190 p., O. Philadelphia, The John C. Winston Co. 1910.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vii.
- HASEMAN, MARY GERTRUDE. On Knots with a Census of the Amphicheirals with twelve crossings. Edinburgh, 1918.
Reprint from *Transactions of the Royal Society of Edinburgh*, Vol. LII, 1917.
- HUSSEY, MARY INDA. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.
Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.
- JONAS, ANNA I., AND BLISS, ELEANORA F. Relation of the Wissahickon Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-Schist of the Doe Run-Avondale District, Coatesville, Quadrangle. Pennsylvania. 64 p., O. February, 1914.
- KING, HELEN DEAN. The Maturation and Fertilization of the Egg of *Bufo Lentiginosus*. p. 293-350, O. Boston, Ginn and Company. The Athenæum Press. 1901.
Reprint from *Journal of Morphology*, vol. 17, No. 2.
- LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine. p. 85-115, O.
Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.
- LEFTWICH,† FLORENCE. *La Vie Seint Edmund le Rei*. An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.

* Mrs. Joseph M. Dohan.

† Mrs. Samuel Prioleau Ravenel.

- LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial Experiments in the British Colonies of North America. 10+154 p., O. *Johns Hopkins University Studies*, vol. 17. Baltimore, 1898.
- LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324-342, O. Reprint from the *Astrophysical Journal*, vol. 23, No. 4. May, 1906.
- LYON,* DOROTHY WILBERFORCE. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192, O. *American Journal of Philology*, vol. 19. 1898.
- MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O. Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.
- MARTIN, EMILIE NORTON. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *American Journal of Mathematics*, vol. 23, No. 3.
- MEDES, GRACE. A Study of the Causes and Extent of Variations in the Larvæ of *Arbacia Punctulata*. p. 318-432, with 152 figs., O. Bryn Mawr, Pennsylvania. 1917.
Reprint from *Journal of Morphology*, vol. 30, No. 1. December, 1917.
- MINOR, JESSIE ELIZABETH. A Study of the Equilibrium in the Alcoholysis of Esters. 57 p., O. Easton, Pennsylvania. 1917.
- MORRISS, MARGARET SHOVE. Colonial Trade of Maryland. p. 1-157, O. Baltimore. Johns Hopkins Press. 1914.
- NEILSON, NELLIE. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.
- NICHOLS,† HELEN HAWLEY. The Composition of the Elihu Speeches, Job, Chaps. XXXII-XXXVII. 95 p., O. 1911.
Reprint from *American Journal of Semitic Languages and Literatures*, vol. 28, No. 2 January, 1911.
- OGDEN, ELLEN SETON. The Origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.

* Mrs. Emmons Bryant.

† Mrs. Eugene Lyman Porter.

- PARKHURST, HELEN HUSS. Recent Logical Realism. 66 p., O. Bryn Mawr, Pennsylvania. 1917.
- PARRIS,* MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.
- PEEBLES, FLORENCE. Experiments in Regeneration and in Grafting of Hydrozoa. 53+[1] p., O. Leipzig, Wilhelm Engelmann. 1900.
- PEEBLES, ROSE JEFFRIES. The Legend of Longinus in Ecclesiastical Tradition and in English Literature and its Connection with the Grail. 221 p., O. Baltimore, printed by J. H. Furst Co. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ix.
- PERKINS,† ELIZABETH MARY. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C., printed by Judd and Detweiler. 1904.
- PERRY, LORINDA. The Millinery Trade in Boston and Philadelphia. A Study of Women in Industry. 122 p., O. Women's Educational and Industrial Union, Boston. Binghamton, N. Y. Vail-Ballou Press. 1916.
- PINNEY, EDITH. A Study of the Relation of the Behavior of the Chromatin to Development and Heredity in Teleost Hybrids. p. 225-260, O. Pl. 1-14.
Reprint from *Journal of Morphology*, Vol. 31, No. 2. September, 1918.
- RAGSDALE, VIRGINIA. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.
Reprint from *American Journal of Mathematics*, vol. 28, No. 4.
- RAND, GERTRUDE. The Factors that Influence the Sensitivity of the Retina to Color: A Quantitative Study and Methods of Standardizing. 166+xi p., O. Princeton, N. J. 1913.
Reprint from *The Psychological Monographs, Princeton, N. J.*
- REIMER, MARIE. The Addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- REYNOLDS,‡ GRACE POTTER. The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoxy Groups. 29 p., O. Easton, Pa., Eschenbach Printing Co. 1910.
- RITCHIE,§ MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.

* Mrs. William Roy Smith.

‡ Mrs. Winthrop Merton Rice.

† Mrs. Eric Charles William Scheel Lyders.

§ Died, 1905.

- ROE,* ADAH BLANCHE. Anna Owena Hoyers, a Poetess of the Seventeenth Century. 128 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xix.
- SANDISON, HELEN ESTABROOK. The "Chanson d'Aventure" in Middle English. 152 p., O. Bryn Mawr, Pennsylvania, 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xii.
- SCHAEFFER,† HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl., O. 1908.
Reprint from *Astrophysical Journal*, vol. 28, 1908.
- SCHENCK, EUNICE MORGAN. La part de Charles Nodier dans la formation des idées romantiques de Victor Hugo jusqu'à la *Preface de Cromwell*. 144 p., O. Bryn Mawr, Pennsylvania. 1914.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvi.
- SCHMIDT, GERTRUD CHARLOTTE. Das Deminutivum im Mittelniederdeutschen und Mittelniederländischen. 157+[ix] p., O. Bornaleipzig, printed by Robert Noske. 1912.
- SHEARER, EDNA ASTON. Hume's Place in Ethics. 86 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvii.
- SMITH, LOUISE PETTIBONE. The Messianic Ideal of Isaiah. p. 158-212, O.
Reprint from *Journal of Biblical Literature*, vol. xxxvi, Parts 3 and 4. September to December, 1917.
- SPALDING, MARY CAROLINE. Middle English Charters of Christ. cxxiv+100 p., O. Bryn Mawr, Pennsylvania. 1914.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xv.
- STEVENS,‡ NETTIE MARIA. Further Studies on the Ciliate Infusoria, Licnophora, and Boveria. 45 p. 6 pl., O. 1903.
Reprint from *Archiv für Protistenkunde*, Bd. iii.
- STITES, SARA HENRY. Economics of the Iroquois. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 8.
- SWEET, MARGUERITE. The Third Class of Weak Verbs in Primitive Teutonic with Special Reference to its Development in Anglo-Saxon. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.
- SWINDLER, MARY HAMILTON. Cretan Elements in the Cult and Ritual of Apollo. 77 p., O. Bryn Mawr, Pennsylvania. 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xiii.
- TAYLOR, LILY ROSS. The Cults of Ostia. 100 p., O. Bryn Mawr, Pennsylvania. 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xi.

* Mrs. Herman Lommel.

† Mrs. William Bashford Huff. Died, 1913.

‡ Died, 1912.

TRAVER, HOPE. The Four Daughters of God. A Study of the Versions of this Allegory, with Especial Reference to Those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.

URDAHL, * MARGERETHE. On Certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.

WARREN, † WINIFRED. A Study of Conjunctive Temporal Clauses in Thucydides. 76+[3] p., O. Berlin, printed by Unger Brothers. 1897.

WHITE, FLORENCE DONNELL. Voltaire's Essay on Epic Poetry. A Study and an Edition. 167 p., O. Albany, N. Y., Brandow Printing Co. 1915.

WILLCOX, MARGUERITE. The Reversible Replacement of Alcohols in Aldehydealcoholates. 22 p., O. Easton, Pa. Eschenbach Printing Co. 1916.

WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press. 1905.

* Mrs. Lewis Albert Anderson.

† Mrs. George Arthur Wilson.

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
	GENERAL	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C. (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B. (G. de Laguna) Div. C (Sabin)
	MINOR	Greek, Plato (Sanders) French Literature Div. B (Schenck) Div. A. (Rivière) Economics, Introduction to Economics, Div. B (Franklin or —) Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)	Greek, Homer (Wright) French Reading and Composition, Div. B (Schenck) Div. A (Rivière) Economics, Introduction to Economics, Div. B (Franklin or —) Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry (Brunel) Geology (Bascom)
	MAJOR	Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)
	ELECTIVE	History of Mediæval Europe (David) Educational Psychology (Arlitt) Biology, Theoretical (Tennent)	History of the U. S. from 1865 (Ware) Education (Castro)
	POST-MAJOR	Inorganic Chemistry (Crenshaw)	
	GRADUATE	Physics (Barnes)	
10	GENERAL	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
	MINOR	English, 19th Century Critics (Chew) German Grammar (Jessen) Spanish, Div. A (De Haan) Div. B (Dorado) History of Europe, Div. A (David) Biology (Tennent)	English, 19th Century Critics (Chew) German Literature (Jessen) Spanish Div. A (De Haan) Div. B (Dorado) History of Europe, Div. A (David) Biology (Tennent)
	MAJOR	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (—)
	ELECTIVE	Private Law (Fenwick)	Mineral Resources of U. S. (Bissell)
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Mathematics (Scott) Physical Chemistry (Crenshaw)
	GRADUATE	Petrography (Bascom)	Applied Psychology (Rand), 10-12
11	GENERAL	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
	MINOR	Italian (Riddell) Economics, Introduction to Economics, Div. A (— or Franklin) Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)	Italian (Riddell) Economics, Introduction to Economics, Div. A (— or Franklin) Philosophy, History of (T. de Laguna) Ancient Painting (Swindler)
	MAJOR	Latin, Tacitus (Wheeler) Spanish Reading (De Haan) History, British Imperialism (Ware) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Frank) Spanish Literature (De Haan) History, British Imperialism (Ware) Physics (Barnes) Chemistry (Crenshaw)
	ELECTIVE	History of the Near East (Barton)	Greek Religion and Myths (Wright)
	GRADUATE	Systematic Psychology (Ferree)	
12	MATRICULATION	French (Crawford)	French (Crawford)
	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) English, Middle English Poetry (—) History of Europe, Div. B (Gray) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (—) Physics (Huff)	Latin, Horace, Div. B (Frank) Div. A (Swindler) English, Middle English Poetry (—) History of Europe, Div. B (Gray) Psychology, Experimental (Ferree and Rand) Gothic Architecture (—) Physics (Huff)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Peebles)	Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Peebles)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

FIRST SEMESTER, 1919-20.

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)
Greek, Plato (Sanders) French Literature Div. B (Schenck) Div. A (Rivière)	Greek, Homer (Wright) French Reading and Composition Div. B (Schenck) Div. A (Rivière)	Greek, Sophocles (Sanders) French Literature Div. B (Schenck) Div. A (Rivière)
Economics, Introduction to Economics, Div. B (Franklin or ———)	Economics, Introduction to Economics, Div. B (Franklin or ———)	Economics, Introduction to Economics, Div. B (Franklin or ———)
Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)	Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel) Geology, Demonstration (Bascom)	Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)
Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)
History of Mediæval Europe (David) Educational Psychology (Arlitt)	History of the U. S. from 1865 (Ware) Education (Castro)	History of Mediæval Europe (David) Educational Psychology (Arlitt) Historical Development of Physics (Huff)
Physics (Barnes)	Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent and Peebles)	Physics (Barnes)
English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
English, 19th Century Critics (Chew) German Reading (Jessen) Spanish Div. A (De Haan) Div. B (Dorado)	English, 19th Century Critics (Chew) German Literature (Jessen) Spanish Div. A (De Haan) Div. B (Dorado)	English, 19th Century Critics (Chew) German Reading (Jessen) Spanish Div. A (De Haan) Div. B (Dorado)
History of Europe, Div. A (David) Biology (Tennent)	History of Europe, Div. A (David) Biology, Demonstration (Tennent)	History of Europe, Div. A (David) Biology (Tennent)
Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (———)	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)
Physics (Huff) Chemistry (Brunel)	Mineral Resources of U. S. (Bissell) Mathematics, Theory of Functions (Pell) Physical Chemistry (Crenshaw)	Physics (Huff) Chemistry (Brunel)
Petrography (Bascom)		Petrography (Bascom)
English Composition, 1st year (Savage)	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
Italian (Riddell)	Italian (Riddell)	Italian (Riddell)
Economics, Introduction to Div. A (——— or Franklin)	Economics, Introduction to Div. A (——— or Franklin)	Economics, Introduction to Div. A (——— or Franklin)
Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)	Philosophy, History of (T. de Laguna) Ancient Painting (Swindler)	Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)
Latin, Tacitus (Wheeler) Spanish Grammar (De Haan) History, British Imperialism (Ware) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Frank) Spanish Literature (De Haan) History, British Imperialism (Ware) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)	Latin, Tacitus (Wheeler) Spanish Reading (De Haan) History, British Imperialism (Ware) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)
History of the Near East (Barton) Mathematics (Scott) Systematic Psychology (Ferree)	Greek Religion and Myths (Wright)	History of the Near East (Barton) Systematic Psychology (Ferree)
French (Crawford)	French (Crawford)	French (Crawford)
Latin, Cicero, Div. A (Wheeler) Div. B (Swindler)	Latin, Horace, Div. B (Frank) Div. A (Swindler)	Latin, Cicero, Div. A (Wheeler) Div. B (Swindler)
English, Middle English Poetry (———)	English, Middle English Poetry (———)	English, Middle English Poetry (———)
History of Europe, Div. B (Gray)	History of Europe, Div. B (Gray)	History of Europe, Div. B (Gray)
Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (———)	Psychology, Experimental (Ferree and Rand) Gothic Architecture (———)	Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (———)
Physics (Huff)	Physics, Demonstration (Huff)	Physics (Huff)
Greek, Aristophanes (Sanders) English Drama (Chew) French Literature (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Peebles)	Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Peebles)	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Peebles)
	Chemistry Journal Club (Brunel and Crenshaw)	

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Technique of the Drama (Savage)	Technique of the Drama (Savage)
	POST-MAJOR	Greek, Attic Orators (Sanders) French, Evolution of the Essay (Rivière) Economics and Politics, Economic and Social Legislation (——) Modern Painting (——)	Greek, Attic Orators (Sanders) French, Evolution of the Essay (Rivière) Economics and Politics, Economic and Social Legislation (——) Modern Painting (——)
	GRADUATE	Cynwulf and Caedmon (Patch), 2.30-4.30 Italian Seminary (Riddell), 2-4 Social Treatment (Kellogg) Seminary in Metaphysics (G. de Laguna), 2-4.	Seminary in Municipal Government (Franklin) Social Treatment (Kellogg)
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Biblical Literature (Barton) Social Betterment (Kingsbury)	Elocution, Reading of Shakespeare (S. A. King) History of the Far East (Barton) Social Betterment (Kingsbury) Advanced Experimental Psychology (Ferree)
	POST-MAJOR	Greek, Melic Poets (Wright) Latin, Lucretius and Catullus (Frank) Spanish, Short Story (Dorado) History, American Constitutional (Ware) Mathematics, Differential Equations (Pell)	Latin, Lucretius and Catullus (Frank) Spanish, Short Story (Dorado) History, American Constitutional (Ware)
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Seminary in Social Institutions (Kellogg) Advanced Social Statistics (Bezanson) Psychology Journal Club (Leuba, Ferree, and Rand) Seminary in Modern Painting (——), 3-5	Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Seminary in French Literature (Schenck), 3-4.30 Seminary in Social Institutions (Kellogg) Advanced Social Statistics (Bezanson) Mathematics Seminary (Pell), 3-5
4	GRADUATE	Latin Seminary, Roman Epic (Frank), 4-6 Seminary in Mediaeval French Literature (Beck), 4-6 Seminary in New Testament Greek (Barton) History Journal Club (Gray, David, Ware), 4-6. Alternate Weeks Economics Journal Club (Fenwick, Franklin), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, Bezanson), 4-6. Alternate Weeks Seminary in Social Economy, Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Frank), 4.30-6. Alternate Weeks Middle English Seminary (——), 4.30-6 German Journal Club (Jessen), 4.30-6. Alternate Weeks Semitic Seminary (Barton) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Educational Psychology (Castro), 4-6 Seminary in Physiology 4.30-6 (Peebles)
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (Dorado)	French, Texts (Rivière) Spanish Seminary (De Haan) Hebrew Literature (Barton)

FIRST SEMESTER, 1919-20 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Greek, Sophocles (Sanders) Latin, Composition (Frank) German, Reading (Jessen) French, Short Story (Schenck) Economics and Politics, Economic and Social Legislation (———) Modern Painting (———) Mathematics (Scott) Biology, Embryology (Tennent)</p> <p>Archaeological Seminary (Carpenter), 2-4 Advanced Old French Philology (Beck) Social Treatment (Kellogg) Intelligence Tests (Arlitt), 2-4 Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks</p>	<p>Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Peebles)</p> <p>Argumentation (Crandall) Chinese and Japanese Art (Fernald)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick)</p> <p>Seminary in European History (Gray) Seminary in Industrial Organization (Bezanson) Aegean Archaeology (Swindler), 2-4</p>	<p>Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Peebles)</p> <p>Chinese and Japanese Art (Fernald)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick)</p> <p>Greek Seminary, Aristophanes (Wright), 2-4</p>
<p>Criticism (Crandall)</p> <p>Biblical Literature (Barton) Elements of Statistics (Bezanson)</p> <p>Greek, Melic Poets (Wright) Latin, Lucretius and Catullus (Frank) Spanish, Short Story (Dorado) England to 1485 (Gray) Mathematics, Theory of Functions (Pell) Biology, Nervous System (Peebles)</p> <p>German, Literary Criticism (Jessen) Gothic Seminary in Politics (Fenwick)</p>	<p>Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Peebles)</p> <p>Daily Themes (Crandall)</p> <p>History of the Far East (Barton)</p> <p>Roman Satire (Wheeler) Spanish (De Haan) England to 1485 (Gray)</p> <p>Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Seminary in French Literature (Schenck), 3-4.30 Comp. Teutonic Grammar Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30 Mathematical Journal Club (Scott and Pell). Weeks</p>	<p>Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Peebles)</p> <p>Roman Satire (Wheeler) Spanish (De Haan) England to 1485 (Gray)</p> <p>English Journal Club (Donnelly, Chew, Savage, Crandall), 3-4.30. Alternate Weeks Gothic Romance Languages Journal Club (Schenck, Beck, Rivière, Riddell, and Dorado), 3-4.30. Alternate Weeks Mathematics Seminary (Scott) 3-5 Archaeological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks</p>
<p>Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6 Middle High German Romance Philology (Beck), 4.30-6 Seminary in History of Religion (Barton) Seminary in American History (———), 4-6 Seminary in Social Research (Kingsbury), 4-6 Seminary in Ethics (Theodore de Laguna), 4-6 Seminary in Education (Castro), 4-6</p> <p>Seminary in Zoology (Tennent), 4.30-6</p>	<p>Middle English Seminary (———), 4.30-6 Seminary in German Literature (Jessen), 4-6 Semitic Seminary (Barton) Historical Method and Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Seminary in Social Theory (Kellogg), 4-6 Seminary in Social Psychology (Leuba), 4-6 Education Journal Club (Castro and Arlitt), 4.30-6 Journal Club in History of Art (———), 4.30-6. Alternate Weeks Seminary in Physiology (Peebles), 4.30-6</p>	<p>Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Middle High German Romance Philology (Beck) 4.30-6 Seminary in Economics (———), 4-6</p> <p>Seminary in Social Education (Castro), 4-6</p>
<p>Old High German Spanish Seminary (Dorado)</p>	<p>French Texts (Rivière) Ethiopic (Barton)</p>	<p>Old High German Spanish Seminary (De Haan)</p>

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
	GENERAL	Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)
	MINOR	Greek, Euripides (Sanders) French, 19th Century Literature, Div. B (Rivière) Div. A (———) Ancient Architecture (Carpenter) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Greek, Homer (Wright) French Reading and Composition, Div. B (Rivière) Div. A (———) Ancient Rome (Swindler) Mathematics, Algebra (Pell) Chemistry Laboratory (Crenshaw) Geology Laboratory (Bissell)
	MAJOR	Italian (Riddell) Psychology, Applied (Rand)	Italian (Riddell) Psychology, Applied (Rand)
	ELECTIVE	History of Mediæval Europe (David) Educational Psychology (Arlitt) Biology, Theoretical (Tennent)	History of the U. S. from 1865 (———) Education (Castro)
	GRADUATE	Physics (Barnes)	
10	GENERAL	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
	MINOR	English Romantic Poets (Donnelly) English Mid. Eng. Romances (———) German Grammar (Jessen) Spanish Div. A (De Haan) Div. B (Dorado) History from 1517 to 1789 (Ware) Biology (Peebles)	English Romantic Poets (Donnelly) English Mid. Eng. Romances (———) German Literature (Jessen) Spanish Div. A (De Haan) Div. B (Dorado) History from 1517 to 1789 (Ware) Biology Laboratory (Peebles)
	MAJOR	Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)	Recent Philosophical Tendencies (T. de Laguna) Renaissance Sculpture (———)
	ELECTIVE	Private Law (Fenwick)	Mineral Resources of U. S. (Bissell)
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Mathematics (Scott) Physical Chemistry (Crenshaw)
	GRADUATE	Petrography (Bascom)	Applied Psychology (Rand), 10-12
11	GENERAL	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
	MINOR	Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick or Franklin) Elementary Logic and Ethics (Sabin) Greek Sculpture (Carpenter)	Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick or Franklin) Elementary Logic and Ethics (Sabin) Archæology, Minor Arts (Carpenter)
	MAJOR	Latin Comedy (Wheeler) Spanish Reading (Dorado) History of the Renaissance (Gray) Physics (Huff) Chemistry (Brunel)	Latin Literature (Frank) Spanish Literature (Dorado) History of the Renaissance (Gray) Physics (Huff) Chemistry (Brunel)
	ELECTIVE	History of the Near East (Barton)	Literary Geography (Wright)
	POST-MAJOR		Geology (Bascom)
	GRADUATE	Systematic Psychology (Ferree)	
12	MATRICULATION	French (Rivière)	French (Rivière)
	MINOR	Latin, Terence, Div. B (Wheeler) Div. A (Swindler) Ancient Civilisation (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (———) Physics (Barnes)	Latin Horace, Div. A (Frank) Div. B (Swindler) Ancient Civilisation (David) Psychology of Instinct and Emotion (Leuba) Gothic Architecture (———) Physics Laboratory (Barnes)
	MAJOR	Greek, Thucydides (Sanders) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (———) Mathematics (Scott) Geology (Bascom) Biology (Tennent)	Greek Literature (Wright) English Literature from Dryden to Johnson (Chew) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (———) Mathematics (Scott) Geology (Bascom) Biology (Tennent)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

SECOND SEMESTER, 1919-20.

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)
Greek, Euripides (Sanders) French, 19th Century Literature, Div. B (Rivière) Div. A (———)	Greek, Homer (Wright) French, Reading and Composition, Div. B (Rivière) Div. A (———)	Greek, Herodotus (Sanders) French, 19th Century Literature, Div. B (Rivière) Div. A (———)
Ancient Architecture (Carpenter) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Ancient Rome (Swindler) Mathematics, Algebra (Pell) Chemistry, Demonstration (Crenshaw) Geology, Demonstration (Bissell)	Ancient Architecture (Carpenter) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)
Italian (Riddell)	Italian (Riddell)	Italian (Riddell)
Psychology, Applied (Rand)	Psychology Applied (Rand)	Psychology, Applied (Rand)
History of Mediæval Europe (David) Educational Psychology (Arlitt)	History of the U. S. from 1865 (———) Education (Castro)	History of Mediæval Europe (David) Educational Psychology (Arlitt) Historical Development of Physics (Huff)
Physics (Barnes)	Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent and Peebles)	Physics (Barnes)
English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
English Romantic Poets (Donnelly) English Mid. Eng. Romances (———) German Reading (Jessen) Spanish Div. A (De Haan) Div. B (Dorado) History from 1517 to 1789 (Ware) Biology (Peebles)	English Romantic Poets (Donnelly) English Mid. Eng. Romances (———) German Literature (Jessen) Spanish Div. A (De Haan) Div. B (Dorado) History from 1517 to 1789 (Ware) Biology, Demonstration (Peebles)	English Romantic Poets (Donnelly) English Mid. Eng. Romances (———) German Reading (Jessen) Spanish Div. A (De Haan) Div. B (Dorado) History from 1517 to 1789 (Ware) Biology (Peebles)
Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)	Recent Philosophical Tendencies (T. de Laguna) Renaissance Sculpture (———) Mineral Resources of U. S. (Bissell)	Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)
Physics (Huff) Chemistry (Brunel)	Mathematics, Theory of Functions (Pell) Physical Chemistry (Crenshaw)	Physics (Huff) Chemistry (Brunel)
Petrography (Bascom)		Petrography (Bascom)
English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick or Franklin) Elementary Logic and Ethics (Sabin) Greek Sculpture (Carpenter)	Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick or Franklin) Elementary Logic and Ethics (Sabin) Archæology, Minor Arts (Carpenter)	Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick or Franklin) Elementary Logic and Ethics (Sabin) Greek Sculpture (Carpenter)
Latin Comedy (Wheeler) Spanish Grammar (Dorado) History of the Renaissance (Gray) Physics (Huff) Chemistry (Brunel)	Latin Literature (Frank) Spanish Literature (Dorado) History of the Renaissance (Gray) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)	Latin Comedy (Wheeler) Spanish Reading (Dorado) History of the Renaissance (Gray) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)
Mathematics (Scott) History of the Near East (Barton)	Literary Geography (Wright)	History of the Near East (Barton)
Systematic Psychology (Ferreë)		Systematic Psychology (Ferreë)
French (Rivière)	French (Rivière)	French (Rivière)
Latin, Terence, Div. B (Wheeler) Div. A. (Swindler) Ancient Civilisation (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (———) Physics (Barnes)	Latin, Horace, Div. A (Frank) Div. B (Swindler) Ancient Civilisation (David) Psychology of Instinct and Emotion (Leuba) Gothic Architecture (———) Physics, Demonstration (Barnes)	Latin, Terence, Div. B (Wheeler) Div. A. (Swindler) Ancient Civilisation (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (———) Physics (Barnes)
Greek, Sophocles (Sanders) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (———) Mathematics (Scott) Geology (Bascom) Biology (Tennent)	Greek Literature (Wright) English Literature from Dryden to Johnson (Chew) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (———) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Tennent)	Greek, Thucydides (Sanders) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (———) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Tennent)
	Chemistry Journal Club (Brunel and Crenshaw)	

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Peebles)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Peebles)
	MINOR	Spanish, Div. B (Dorado)	Spanish, Div. B (Dorado)
	ELECTIVE	Technique of the Drama (Savage)	Technique of the Drama (Savage)
	POST-MAJOR	Greek, Æschylus (Sanders)	Greek, Æschylus (Sanders)
	GRADUATE	French, Evolution of the Essay (Rivière) Economics and Politics, Economic and Social Legislation (———) Modern Painting (———)	French, Evolution of the Essay (Rivière) Economics and Politics, Economic and Social Legislation (———) Modern Painting (———)
3	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Peebles)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Peebles)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Biblical Literature (Barton) Social Betterment (Kingsbury)	Elocution, Reading of Shakespeare (S. A. King) History of the Far East (Barton) Social Betterment (Kingsbury) Advanced Experimental Psychology (Ferree)
	POST-MAJOR	Greek, Plato (Wright) Latin, Cicero and Cæsar (Frank) Spanish, Short Story (Dorado) History American Constitutional (Ware) Mathematics, Differential Equations, (Pell)	Latin, Cicero and Cæsar (Frank) Spanish, Short Story (Dorado) History, American Constitutional (Ware)
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Legal Procedure (Kellogg) Advanced Social Statistics (Bezanson) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (———), 3-5	Greek Seminary, Greek Historians (Sanders) 3-4.30 Seminary in English Literature (Chew) 3-4.30 Seminary in French Literature (Schenck) 3-4.30 Legal Procedure (Kellogg) Mathematics Seminary (Pell), 3-5
	GRADUATE	Latin Seminary, Roman Epic (Frank), 4-6 Seminary in English Literature (Donnelly), 4-6 Seminary in Mediæval French Literature (Beck), 4-6 Seminary in New Testament Greek (Barton) History Journal Club (Gray, David, Ware), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Seminary in Social Economy Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, Bezanson), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Frank), 4.30-6. Alternate Weeks Middle English Seminary (Patch), 4.30-6 German Journal Club (Jessen), 4.30-6 Alternate Weeks Semitic Seminary (Barton) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Ethics (Theodore de Laguna), 4-6 Seminary in Educational Psychology, (Castro), 4-6
4	GRADUATE	Latin Seminary, Roman Epic (Frank), 4-6 Seminary in English Literature (Donnelly), 4-6 Seminary in Mediæval French Literature (Beck), 4-6 Seminary in New Testament Greek (Barton) History Journal Club (Gray, David, Ware), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Seminary in Social Economy Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, Bezanson), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Frank), 4.30-6. Alternate Weeks Middle English Seminary (Patch), 4.30-6 German Journal Club (Jessen), 4.30-6 Alternate Weeks Semitic Seminary (Barton) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Ethics (Theodore de Laguna), 4-6 Seminary in Educational Psychology, (Castro), 4-6
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (Dorado)	French Texts (Rivière) Spanish Seminary (De Haan) Hebrew Literature (Barton)

SECOND SEMESTER, 1919-20 (continued).

WEDNESDAY	THURSDAY	FRIDAY
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)
Spanish, Div. B (Dorado)	Spanish, Div. B (Dorado) Argumentation (Crandall) Chinese and Japanese Art (Fernald)	Spanish, Div. B (Dorado) Chinese and Japanese Art (Fernald)
Greek, Prose Composition (Sanders) Latin, Composition (Frank) German, Reading (Jessen) French, Short Story (Schenck) Economics and Politics, Economic and Social Legislation (———) Modern Painting (———) Mathematics (Scott) Biology, Embryology (Tennent)	German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick)	German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick)
Advanced Old French Philology (Beck), 2-4 Archaeological Seminary (Carpenter), 2-4 Social Treatment (Kellogg) Intelligence Tests (Arlitt), 2-4 Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks	Seminary in European History (Gray) Seminary in Industrial Organization (Bezanson), 2-4 Ancient Painting (Swindler)	Greek Seminary, Aristophanes (Wright), 2-4
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)
Criticism (Crandall)	Daily Themes (Crandall)	Record Keeping (Kingsbury)
Biblical Literature (Barton) Elements of Statistics (Bezanson)	History of the Far East (Barton) Record Keeping (Kingsbury)	
Greek, Plato (Wright) Latin, Cicero and Caesar (Frank) Spanish, Short Story (Dorado) History, England to 1485 (Gray) Mathematics, Theory of Functions (Pell) Biology, Nervous System (Peebles)	Roman Satire (Wheeler) Spanish (De Haan) History, England to 1485 (Gray)	Roman Satire (Wheeler) Spanish (De Haan) History, England to 1485 (Gray)
German, The Essay (Jessen) Ethics Seminary in Politics (Fenwick)	Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Comparative Teutonic Grammar Seminary in French Literature (Schenck), 3-4.30 Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30 Mathematical Journal Club (Scott and Pell.) Alternate Weeks	English Journal Club (Donnelly, Chew, Savage, Crandall and Patch), 3-4.30. Alternate Weeks Gothic Romance Languages Journal Club (Schenck, Beck, Riviere, Riddell and Dorado), 3-4.30. Alternate Weeks Archaeological Journal Club (Carpenter and Swindler), 3-4.30. Alternate Weeks Seminary in Mathematics (Scott), 3-5
Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6 Middle High German Romance Philology (Beck), 4.30-6 Seminary in History of Religion (Barton) Historical Method and Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Seminary in American History (———), 4-6 Seminary in Social Research (Kingsbury), 4-6 Seminary in Social and Political Philosophy (T. de Laguna), 4-6 Seminary in Principles and Methods of Education (Castro), 4-6 Seminary in Zoology (Tennent), 4.30-6	Middle English Seminary (Patch), 4.30-6 Seminary in German Literature (Jessen), 4-6 Semitic Seminary (Barton) Historical Method and Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Seminary in Social Theory (Kellogg), 4-6 Mathematics Seminary (Pell) Journal Club in History of Art (———), 4.30-6. Alternate Weeks Education Journal Club (Castro and Arlitt), 4.30-6 Seminary in Physiology (Peebles), 4.30-6	Latin Seminary, Roman Lyric (Wheeler), 4.30-6. Middle High German Romance Philology (Beck), 4.30-6 Seminary in Economics (———), 4-6 Seminary in Petrology (Bascom), 4.30-6
Old High German Spanish Seminary (Dorado)	French Texts (Riviere) Ethiopic (Barton)	Old High German Spanish Seminary (De Haan)

SCHEDULE OF COLLEGIATE EXAMINATIONS,

		WEDNESDAY, JANUARY 21st.	
		ELECTIVE.	Hour.
		Daily Themes.....	9-11
		Chinese and Japanese Art.....	2-4
		POST-MAJOR.	
		Greek, Sophocles.....	2-3
		Latin, Roman Satire.....	9-11
		Spanish.....	9-11
		German Literature and Reading..	2-4
		French, Short Story.....	2-4
		History, England to 1485.....	9-11
		Politics, International Law.....	2-4
MONDAY, JANUARY 26TH.		TUESDAY, JANUARY 27TH.	
ELEMENTARY.	Hour.	ELEMENTARY.	Hour.
Greek.....	9-12	French.....	9-12
German.....	9-12		
GENERAL.		MINOR.	
Philosophy.....	9-12	Latin, Horace.....	9-11
		English, Mid. Eng. Romances..	9-12
MINOR.		Experimental Psychology.....	9-12
Greek, Plato and Sophocles....	9-12.15	Gothic Architecture.....	9-11
French Literature.....	9-11	Physics.....	9-12
Ancient Architecture.....	9-11		
Mathematics, Analytical Conics..	9-11	MAJOR.	
Chemistry.....	9-12	Greek, Literature.....	9-11
Geology.....	9-12	English Drama.....	9-12
		French, Reading and Composition	9-11
MAJOR.		Mathematics, Theory of Equations	9-11
Italian.....	9-12	Politics.....	9-12
Social Psychology.....	9-12	Geology.....	9-12
		Biology.....	9-12
ELECTIVE.		ELECTIVE.	
Mediæval History.....	9-11	Elements of Statistics.....	2-3.15
Physics, Historical Development.	9-10.15		
Educational Psychology.....	9-11	POST-MAJOR.	
Biology, Theoretical.....	11-12.15	Mathematics, Theory of Func-	
		tions,.....	2-4
POST-MAJOR.			
Inorganic Chemistry.....	2-4		

SCHEDULE OF MATRICULATION EXAMINATIONS,

WEDNESDAY, JANUARY 14TH.	THURSDAY, JANUARY 15TH.	FRIDAY, JANUARY 16TH.
Hour.	Hour.	Hour.
French or Italian or Spanish or German Grammar and Compo- sition and Translation.....	English Composition O. R. or Literature N.R.....	Algebra.....
11.00- 1.00	9.30-12.30	9.30-1
Science, except Physics.....	English Grammar O. R. or Com- position N. R.....	Latin Poets.....
2.00- 3.30	2.00- 4.00	2.00- 3
Greek Prose Authors.....		English History (or American History).....
4.00- 5.00		3.45- 5
Greek Grammar.....		
5.00- 6.00		
MONDAY, FEBRUARY 2ND.	TUESDAY, FEBRUARY 3RD.	
Hour.	Hour.	
Minor Latin, Section A.....	Minor Latin, Section B.....	
9.30-12.30	9.30-12.30	
Trigonometry.....	Solid Geometry.....	
2.30- 4.30	2.30- 4.30	

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations but on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

FIRST SEMESTER, 1919-20.

THURSDAY, JANUARY 22 ND .		FRIDAY, JANUARY 23 RD .		SATURDAY, JANUARY 24 TH .	
MINOR.	Hour.	MINOR.	Hour.	MINOR.	Hour.
Human Literature.....	2- 4	Latin, Cicero.....	9-11	Economics, Div. A and Div. B..	9-12
History of Europe, Div. A and B	9-12	Italian Renaissance Painting....	9-11	Ancient Athens.....	2- 4
MAJOR.		MAJOR.		History of the Far East.....	2- 4
Renaissance Sculpture.....	2- 4	Greek, Demosthenes and Aristophanes.....	9-12.15	MAJOR.	
ELECTIVE.		French Literature.....	9-11	Latin Literature.....	2- 4
Natural Resources of U.S.....	9-11	Mathematics, Diff. and Int. Calculus.....	9-11	ELECTIVE.	
POST-MAJOR.		POST-MAJOR.		Greek Religion and Myths.....	2- 4
Mathematics, Geometry.....	2- 4	Latin, Prose Composition.....	2- 4	POST-MAJOR.	
Physical Chemistry.....	2- 4	Biology, Embryology.....	2- 3.15	Paleontology.....	9-11
THURSDAY, JANUARY 29 TH		FRIDAY, JANUARY 30 TH .		SATURDAY, JANUARY 31 ST .	
GENERAL.	Hour.	MINOR.	Hour.	ELECTIVE.	Hour.
Second Year English, Literature.	9-12	Greek, Homer.....	9-11	First Year English Composition	9-12
MINOR.		French, Reading and Composition	9-11	MINOR.	
English, 19th Century Critics....	9-12	Hellenistic Towns.....	9-11	Italian.....	9-12
German, Grammar and Reading..	9-11	Mathematics, Trigonometry....	9-11	Philosophy, History of.....	9-12
Spanish, Div. A and B.....	9-12	ELECTIVE.		Greek Sculpture.....	9-11
Geology.....	9-12	United States History.....	9-11	MAJOR.	
MAJOR.		Education.....	9-11	Latin, Tacitus.....	9-11
Philosophy, Kant to Spencer....	9-12	POST-MAJOR.		Spanish.....	9-12
Art and 18th Century Painting.	9-11	Greek, Melic Poets.....	2- 4	History, British Imperialism....	9-12
ELECTIVE.		Biology, Nervous System.....	2- 4	Physics.....	9-12
Argumentation.....	2- 4			Chemistry.....	9-12
Private Law.....	9-10.15			ELECTIVE.	
POST-MAJOR.				History of the Near East.....	9-11
Statistics.....	9-11			Mathematics.....	9-10.15
Chemistry, Organic.....	9-11			POST-MAJOR.	
				Mineralogy.....	9-11

JANUARY-FEBRUARY, 1920.

SATURDAY, JANUARY 17 TH .		MONDAY, JANUARY 19 TH .		TUESDAY, JANUARY 20 TH .	
	Hour.		Hour.		Hour.
German Grammar and Composition	9.30-10.30	Geometry.....	9.30-12.00	German Grammar and Composition	9.30-10.30
German Translation.....	10.45-12.45	Latin Composition.....	2.00- 3.30	German Translation.....	10.45-12.45
Scientific History.....	2.00- 4.00	Physics (O.R. and N.R.).....	3.45- 5.45	Latin Prose Authors.....	2.00- 4.00
				Greek Poets.....	4.15- 5.15

SCHEDULE OF COLLEGIATE EXAMINATIONS.

		WEDNESDAY, MAY 19TH.	
		GENERAL.	Hour.
		First Year English, Literature....	9-12
		MINOR.	
		Italian.....	9-12
		Politics.....	9-12
		Philosophy, Elementary Logic and Ethics.....	9-12
		Greek Sculpture.....	9-11
		MAJOR.	
		Latin, Comedy.....	9-11
		Spanish.....	9-12
		History of the Renaissance.....	9-12
		Physics.....	9-12
		Chemistry.....	9-12
		ELECTIVE.	
		Criticism.....	2-4
		Elements of Statistics.....	2-3
		History of the Near East.....	9-11
		Mathematics.....	9-10
		POST-MAJOR.	
		Mineralogy.....	9-11
MONDAY, MAY 24TH.		TUESDAY, MAY 25TH.	
MINOR.	Hour.	ELEMENTARY.	Hour.
Politics, Div. A and Div. B.....	9-11	German.....	9-10.30
Archaeology, Minor Arts.....	2-4	Greek.....	9-10.30
History of the Far East.....	2-4	GENERAL.	
MAJOR.		Psychology.....	9-12
Latin Literature.....	2-4	MINOR.	
ELECTIVE.		Greek, Herodotus and Euripides.....	9-12.15
Literary Geography.....	2-4	French Literature.....	9-11
POST-MAJOR.		Ancient Architecture.....	9-11
Paleontology.....	9-11	Mathematics, Differential and Integral Calculus.....	9-11
		Chemistry.....	9-12
		Geology.....	9-12
		MAJOR.	
		Italian.....	9-12
		Applied Psychology.....	9-12
		ELECTIVE.	
		Mediaeval History.....	9-11
		Educational Psychology.....	9-11
		Physics, Historical Development.....	9-10.15
		Biology, Theoretical.....	11-12.15
		POST-MAJOR.	
		Inorganic Chemistry.....	2-4
		WEDNESDAY, MAY 26TH.	
		ELECTIVE.	Hour.
		Technique of Drama.....	9-11
		Biblical Literature.....	2-4
		Social Betterment.....	2-4
		POST-MAJOR.	
		Greek, Æschylus.....	9-11
		French, Essay.....	9-11
		Economic and Social Legislation.....	9-11
		Modern Painting.....	9-11
		Mathematics, Differential Equations.....	2-3
		Cicero and Cæsar.....	2-4
		Spanish.....	2-4
		American Constitutional History.....	2-4

SCHEDULE OF MATRICULATION

		<p>WEDNESDAY, MAY 26TH.</p> <p>Hour.</p> <p>Minor Latin, A. 9.30-12</p> <p>Trigonometry. 9.30-11</p> <p>Minor Latin, B. 2.30-5</p> <p>Solid Geometry. 2.30-4</p>
<p>MONDAY, MAY 31.</p> <p>Hour.</p> <p>French Grammar and Composition. 9.30-10.30</p> <p>French Translation. 10.45-12.45</p> <p>Ancient History. 2.00-4.00</p>	<p>TUESDAY, JUNE 1ST</p> <p>Hour.</p> <p>Geometry. 9.30-12.00</p> <p>Latin, Composition. 2.00-3.30</p> <p>Physics (O. R. and N. R.). 3.45-5.45</p>	<p>WEDNESDAY, JUNE 2ND.</p> <p>Hour.</p> <p>German Grammar and Composition. 9.30-10.</p> <p>German Translation. 10.45-12.</p> <p>Latin, Prose Authors. 2.00-4.</p> <p>Greek Poets. 4.15-5.</p>

SECOND SEMESTER, 1919-20.

THURSDAY, MAY 20TH.		FRIDAY, MAY 21ST.		SATURDAY, MAY 22ND.	
ELECTIVE.	Hour.	MINOR.	Hour.	ELEMENTARY.	Hour.
Daily Themes.....	9-11	German Literature.....	9-11	French.....	9-10.30
Chinese and Japanese Art.....	2- 4	MAJOR.		MINOR.	
Record Keeping.....	9-11	Renaissance Sculpture.....	9-11	Latin, Terence.....	9-11
History of the Far East.....	9-11	ELECTIVE.		Italian Renaissance Painting....	9-11
POST-MAJOR.		Mineral Resources of U. S.....	9-11	MAJOR.	
Latin, Roman Satire.....	9-11	POST-MAJOR.		Greek, Thucydides and Sophocles	9-11
German, Literature and Reading	2- 4	Greek, Prose Composition.....	2- 3.15	French Literature.....	9-11
French, Short Story.....	2- 4	Latin, Prose Composition.....	2- 4	Mathematics, Curve Tracing....	9-11
Spanish.....	9-11	Mathematics, Geometry.....	9-11	POST-MAJOR.	
History, England to 1485.....	9-11	Chemistry, Physical.....	9-11	Greek, Plato.....	2- 4
Politics, International Law.....	2- 4				
THURSDAY, MAY 27TH.		FRIDAY, MAY 28TH.		SATURDAY, MAY 29TH.	
ELEMENTARY.	Hour.	GENERAL.	Hour.	ELEMENTARY.	Hour.
French.....	9-10.30	Second Year English, Composition	9-12	German.....	9-10.30
MINOR.		MINOR.		MINOR.	
Latin, Horace.....	9-11	English, Romantic Poets.....	9-12	Greek, Homer.....	9-11
History, Ancient Civilisation....	9-12	English, Mid. Eng. Poetry and		French, Reading and Composition	9-11
Psychology of Instinct.....	9-12	Chaucer.....	9-12	Ancient Rome.....	9-11
Gothic Architecture.....	9-11	German, Grammar and Reading.	9-11	Mathematics, Theory of Equa-	
Physics.....	9-12	Spanish, Div. A and B.....	9-12	tions, Algebra.....	9-11
MAJOR.		History from 1517.....	9-12	ELECTIVE.	
Greek Literature.....	9-11	Biology.....	9-12	Education.....	9-11
English Literature, Dryden to		MAJOR.		POST-MAJOR.	
Johnson.....	9-12	Recent Philosophical Tendencies	9-12	Biology, Nervous System.....	2- 4
French, Reading and Composition	9-11	17th and 18th Century Painting.	9-11		
Economics.....	9-12	ELECTIVE.			
Mathematics, Anal. Geometry...	9-11	Private Law.....	9-10.15		
Geology.....	9-12	POST-MAJOR.			
Biology.....	9-12	Physics.....	9-11		
ELECTIVE.		Chemistry.....	9-11		
Argumentation.....	2-4	Mathematics, Theory of Functions	2- 4		

EXAMINATIONS, SPRING, 1920.

THURSDAY, MAY 27TH.		FRIDAY, MAY 28TH.		SATURDAY, MAY 29TH.	
	Hour.		Hour.		
French or Italian or Spanish or		English Composition O. R. or		Algebra.....	9.30-12.00
German Grammar, Composi-		Literature N. R.....	9.30-12.30	Latin Poets.....	2.00- 3.30
tion, Translation (Two point		English Grammar O. R. or Com-		English History (or American	
option).....	11.00- 1.00	position N. R.....	2.00- 4.00	History).....	3.45- 5.45
Science N. R., except Physics...	2.00- 3.30				
Greek Prose Authors.....	4.00- 5.00				
Greek Grammar.....	5.00- 6.00				

SCHEDULE OF EXAMINATION FOR MATRICULATION.

SPRING, 1919.

WEDNESDAY, MAY 28.

<i>Minor Latin, A.</i>	9.30-12.30	<i>Minor Latin, B.</i>	2.30- 5.30
<i>Trigonometry.</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

THURSDAY, MAY 29.

Two point optional lan- guage exam- inations, New Requirements, (For Greek see below.)	<i>French Grammar and Composition and Translation.</i>	2.00- 4.00
	or	
	<i>Italian Grammar and Composition and Translation</i>	2.00- 4.00
	or	
	<i>Spanish Grammar and Composition and Translation</i>	2.00- 4.00
	or	
	<i>German Grammar and Composition and Translation.</i>	2.00- 4.00

FRIDAY, MAY 30.

<i>English Composition (Old) or Literature (New Requirements)</i> . . .	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> . . .	2.00- 4.00
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	4.15- 5.45

SATURDAY, MAY 31.

<i>Algebra.</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History (or, with Special Permission, American History)</i>	3.45- 5.45

MONDAY, JUNE 2.

<i>French Grammar and Composition.</i>	9.30-10.30
<i>French Translation.</i>	10.45-12.45
<i>Ancient History.</i>	2.00- 4.00
<i>Greek Prose Authors.</i>	4.15- 5.15
<i>Greek Grammar.</i>	5.15- 6.15

TUESDAY, JUNE 3.

<i>Geometry.</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

WEDNESDAY, JUNE 4.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation.</i>	10.45-12.45
<i>Latin Prose Authors.</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

AUTUMN, 1919.

MONDAY, SEPTEMBER 22.

<i>French Grammar and Composition and Translation</i>	2.00- 4.00	} Two point optional lan- guage exami- nations, New Requirements. (For Greek see below.)
or		
<i>Italian Grammar and Composition and Translation</i>	2.00- 4.00	
or		
<i>Spanish Grammar and Composition and Translation</i>	2.00- 4.00	
or		
<i>German Grammar and Composition and Translation</i>	2.00- 4.00	

TUESDAY, SEPTEMBER 23.

<i>English Composition (Old) or Literature (New Requirements)</i> ...	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ...	2.00- 4.00
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	4.15- 5.45

WEDNESDAY, SEPTEMBER 24.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History (or with Special Permission American History)</i>	3.45- 5.45

THURSDAY, SEPTEMBER 25.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>Ancient History</i>	2.00- 4.00
<i>Greek Prose Authors</i>	4.15- 5.15
<i>Greek Grammar</i>	5.15- 6.15

FRIDAY, SEPTEMBER 26.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.00
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

SATURDAY, SEPTEMBER 27.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

WEDNESDAY, OCTOBER 1.

THURSDAY, OCTOBER 2.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30	<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1920.

WEDNESDAY, JANUARY 14.

Two point
optional lan-
guage exam-
inations, New
Requirements.
(For Greek
see below.)

<i>French Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>German Grammar and Composition and Translation</i>	11.00- 1.00
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or</i> <i>Physical Geography (New Requirements)</i>	2.00- 3.30
<i>Greek Prose Authors</i>	4.00- 5.00
<i>Greek Grammar</i>	5.00- 6.00

THURSDAY, JANUARY 15.

<i>English Composition (Old) or Literature (New Requirements)</i> . . .	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> . . .	2.00- 4.00

FRIDAY, JANUARY 16.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History (or, with Special Permission, American History)</i>	3.45- 5.45

SATURDAY, JANUARY 17.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>Ancient History</i>	2.00- 4.00

MONDAY, JANUARY 19.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

TUESDAY, JANUARY 20.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

MONDAY, FEBRUARY 2.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

TUESDAY, FEBRUARY 3.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

SPRING, 1920.

WEDNESDAY, MAY 26.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	9.30-11.30
<i>Minor Latin, B</i>	2.30- 5.30
<i>Solid Geometry</i>	2.30- 4.30

THURSDAY, MAY 27.

<i>French Grammar and Composition and Translation</i>	11.00- 1.00	} Two point optional lan- guage exam- inations, New Requirements. (For Greek see below.)
or		
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>German Grammar and Composition and Translation</i>	11.00- 1.00	
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	2.00- 3.30	
<i>Greek Prose Authors</i>	4.00- 5.00	
<i>Greek Grammar</i>	5.00- 6.00	

FRIDAY, MAY 28.

<i>English Composition (Old) or Literature (New Requirements)</i> ...	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ...	2.00- 4.00

SATURDAY, MAY 29.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History (or, with Special Permission, American History)</i>	3.45- 5.45

MONDAY, MAY 31.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>Ancient History</i>	2.00- 4.00

TUESDAY, JUNE 1.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

WEDNESDAY, JUNE 2.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

AUTUMN, 1920.

MONDAY, SEPTEMBER 20.

Two point optional lan- guage exam- inations, New Requirements. (For Greek see below.)	<i>French Grammar and Composition and Translation</i>	11.00- 1.00
	or	
	<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00
	or	
	<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00
	or	
	<i>German Grammar and Composition and Translation</i>	11.00- 1.00
	<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	2.00- 3.30
	<i>Greek Prose Authors</i>	4.00- 5.00
	<i>Greek Grammar</i>	5.00- 6.00

TUESDAY, SEPTEMBER 21.

<i>English Composition (Old) or Literature (New Requirements)</i> ...	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ...	2.00- 4.00

WEDNESDAY, SEPTEMBER 22.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History (or, with Special Permission, American History)</i>	3.45- 5.45

THURSDAY, SEPTEMBER 23.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>Ancient History</i>	2.00- 4.00

FRIDAY, SEPTEMBER 24.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

SATURDAY, SEPTEMBER 25.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

WEDNESDAY, SEPTEMBER 29.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

THURSDAY, SEPTEMBER 30.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1921.

WEDNESDAY, JANUARY 12.

<i>French Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>German Grammar and Composition and Translation</i>	11.00- 1.00
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or</i> <i>Physical Geography (New Requirements)</i>	2.00- 3.30
<i>Greek Prose Authors</i>	4.00- 5.00
<i>Greek Grammar</i>	5.00- 6.00

Two point
optional lan-
guage exam-
inations, New
Requirements
(For Greek
see below.)

THURSDAY, JANUARY 13.

<i>English Composition (Old) or Literature (New Requirements)</i> ...	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ...	2.00- 4.00

FRIDAY, JANUARY 14

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History (or, with Special Permission, American History)</i>	3.45- 5.45

SATURDAY, JANUARY 15.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>Ancient History</i>	2.00- 4.00

MONDAY, JANUARY 17.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

TUESDAY, JANUARY 18.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

MONDAY, JANUARY 31.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

TUESDAY, FEBRUARY 1.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

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CALENDAR

UNDERGRADUATE AND GRADUATE COURSES

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1920



BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,

May, 1920

Volume XIII. Part 3.

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BRYN MAWR COLLEGE CALENDAR

1920

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1920.														1921.														1922.																		
JANUARY							JULY							JANUARY							JULY							JANUARY																		
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S												
4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31									
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JUNE							DECEMBER							JUNE							DECEMBER							JUNE																		
6	7	8	9	10	11	12	5	6	7	8	9	10	11	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
13	14	15	16	17	18	19	12	13	14	15	16	17	18	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	26	27	28	29	30	31	26	27	28	29	30	31	
20	21	22	23	24	25	26	19	20	21	22	23	24	25	19	20	21	22	23	24	25	26	27	28	29	30	31	26	27	28	29	30	31	26	27	28	29	30	31	26	27	28	29	30	31		
27	28	29	30				26	27	28	29	30			26	27	28	29	30																												

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 2, 1921.

ACADEMIC YEAR, 1920-21.

September 20th.	Matriculation examinations begin.
September 27th.	Registration of students. Halls of Residence open for students at three p. m.
September 28th.	Registration of students. Matriculation examinations end.
September 29th.	The work of the thirty-sixth academic year begins at a quarter to nine o'clock.
September 30th.	Examinations for advanced standing begin.
October 2nd.	Language examinations for all undergraduates.
October 9th.	Senior examination in French. Language examinations for Juniors.
October 16th.	Senior examination in German.
October 21st.	Examinations for advanced standing end.
November 15th.	Collegiate and matriculation condition examinations begin.
November 20th.	A. M. written examinations in French and German.
November 23rd.	Collegiate and matriculation condition examinations end.
November 24th.	Thanksgiving vacation begins at one o'clock.
November 29th.	Thanksgiving vacation ends at nine o'clock.
December 4th.	Senior examination in French.
December 11th.	Senior examination in German.
December 21st.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock.
January 12th.	Matriculation examinations begin.
January 18th.	Matriculation examinations end.
January 19th.	Half-yearly collegiate examinations begin.
January 29th.	Collegiate examinations end. Annual meeting of the Alumnae Association.
January 31st.	Vacation.
February 1st.	Vacation.
February 2nd.	The work of the second semester begins at a quarter to nine o'clock.
February 3rd.	Examinations for advanced standing begin.
February 24th.	Examinations for advanced standing end.
March 12th.	Senior examination in French.
March 14th.	Collegiate and matriculation condition examinations begin.
March 16th.	Mid-semester examination in matriculation Greek.
March 18th.	Announcement of European Fellowships.
March 19th.	Senior examination in German. A. M. written examinations in French and German.
March 22nd.	Collegiate and matriculation condition examinations end.
March 23rd.	Easter vacation begins at one o'clock.
March 31st.	Easter vacation ends at nine o'clock.

May 7th.	Senior examinations in French and German.
May 17th.	Vacation.
May 18th.	Collegiate examinations begin.
May 25th.	Matriculation examinations begin.
May 28th.	Collegiate examinations end.
June 1st.	Matriculation examinations end.
June 2nd.	Conferring of degrees and close of thirty-sixth academic year.

ACADEMIC YEAR, 1921-22.

September 26th.	Matriculation examinations begin.
October 3rd.	Registration of students. Halls of Residence open for students at three p. m.
October 4th.	Registration of students. Matriculation examinations end.
October 5th.	The work of the thirty-seventh academic year begins at a quarter to nine o'clock.
October 6th.	Examinations for advanced standing begin.
October 8th.	Language examinations for all undergraduates.
October 15th.	Senior examination in French. Language examinations for Juniors.
October 22nd.	Senior examination in German.
October 27th.	Examinations for advanced standing end.
November 14th.	Collegiate and matriculation condition examinations begin.
November 19th.	A. M. written examinations in French and German.
November 22nd.	Collegiate and matriculation condition examinations end.
November 23rd.	Thanksgiving vacation begins at one o'clock.
November 28th.	Thanksgiving vacation ends at nine o'clock.
December 10th.	Senior examination in French.
December 17th.	Senior examination in German.
December 21st.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock.
January 18th.	Matriculation examinations begin.
January 24th.	Matriculation examinations end.
January 25th.	Half-yearly collegiate examinations begin.
February 4th.	Collegiate examinations end. Annual meeting of the Alumnæ Association.
February 6th.	Vacation.
February 7th.	Vacation.
February 8th.	The work of the second semester begins at a quarter to nine o'clock.
February 9th.	Examinations for advanced standing begin.
March 2nd.	Examinations for advanced standing end.
March 17th.	Announcement of European Fellowships.

March 18th.	Senior examination in French.
March 20th.	Collegiate and matriculation condition examinations begin.
March 22nd.	Mid-semester examination in matriculation Greek.
March 25th.	Senior examination in German. A. M. written examinations in French and German.
March 28th.	Collegiate and matriculation condition examinations end.
March 29th.	Spring vacation begins at one o'clock.
April 5th.	Spring vacation ends at nine o'clock.
April 14th.	Good Friday. Vacation.
May 13th.	Senior examinations in French and German.
May 23rd.	Vacation.
May 24th.	Collegiate examinations begin.
May 31st.	Matriculation examinations begin.
June 3rd.	Collegiate examinations end.
June 7th.	Matriculation examinations end.
June 8th.	Conferring of degrees and close of thirty-seventh academic year.

ACADEMIC YEAR, 1922-23.

September 25th.	Matriculation examinations begin.
October 2nd.	Registration of students. Halls of Residence open for students at three p. m.
October 3rd.	Registration of students. Matriculation examinations end.
October 4th.	The work of the thirty-eighth academic year begins at a quarter to nine o'clock.

SCHEDULE OF EXAMINATION FOR MATRICULATION.

For Schedules from Spring, 1920, to Winter, 1922, see end of volume.

SCHEDULE OF LECTURES.

See pages 220-227.

SCHEDULE OF COLLEGIATE EXAMINATIONS.

See pages 228-231.

CORPORATION.

RUFUS M. JONES,

President.

ASA S. WING,

Treasurer.

ANNA RHOADS LADD,

Secretary.

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M. CAREY THOMAS.

ASA S. WING.

CHARLES J. RHOADS.

THOMAS RAEBURN WHITE.

FREDERIC H. STRAWBRIDGE.

ABRAM F. HUSTON.

ANNA RHOADS LADD.

ARTHUR H. THOMAS.

WILLIAM C. DENNIS.

ARTHUR PERRY.

ARTHUR FREEBORN CHACE.

RICHARD M. GUMMERE

BOARD OF DIRECTORS.

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ELIZABETH BUTLER KIRKBRIDE.

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WILLIAM C. DENNIS.

MARION REILLY.

ARTHUR PERRY.

ARTHUR FREEBORN CHACE.

FRANCES FINCKE HAND.

RICHARD M. GUMMERE

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1919-20.

*President,*M. CAREY THOMAS, * PH.D., LL.D., L.H.D.
Office: Taylor Hall.*Acting President of the College,*HELEN HERRON TAFT, A.M.
Office: Taylor Hall.*Acting Dean of the College,*HILDA WORTHINGTON SMITH, A. M.
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.*Secretary and Registrar of the College,*

EDITH ORLADY, A.B. Office: Taylor Hall.

Assistant to the Secretary and Registrar of the College,

MARIAN CLEMENTINE KLEPS, A.B. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

ALICE MARTIN HAWKINS, A.B., Merion Hall.

EDITH ADAIR, A.B., Rockefeller Hall.

LESLIE RICHARDSON, A.B., Radnor Hall.

HANNAH THAYER CARPENTER, A.B., Denbigh Hall.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Business Manager,

LOUISE WATSON, A.B. Office: Taylor Hall.

Assistant Business Manager,

RUTH ELLEN LAUTZ, A.B. Office: Taylor Hall.

Junior Bursar,

HARRIET JEAN CRAWFORD, A.B. Office: Cartref.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Athletics and Gymnastics and Supervisor of Health,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician-in-Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Resident Physician,*MARION HAGUE REA, M.D., 1905 Infirmary, Bryn Mawr; Office hours,
The Infirmary, Bryn Mawr College, 8 to 8.30 a. m., 4 to 5.30 p. m.,
daily except Saturday and Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1408 Spruce Street,
Philadelphia.

* Granted leave of absence for the year 1919-20.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1919-20.

M. CAREY THOMAS,* PH.D., LL.D., L.H.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zurich, 1882. Student in the Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Acting President of the College.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916. Graduate Student, Yale University, 1915-17.

HILDA WORTHINGTON SMITH, A.M., *Acting Dean of the College.*

A.B., Bryn Mawr College, 1910, and A.M., 1911. Graduate Student, Bryn Mawr College, 1910-11; New York School of Philanthropy, 1912-13, 1914-15; Columbia University, 1914-15; Warden of Rockefeller Hall, 1913-14; Volunteer Social Worker, 1915-16; Director of Bryn Mawr Community Centre, 1916-19.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumna Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-94; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

* Granted leave of absence for the year 1919-20.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Alumnæ Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Alumnæ Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH,* PH.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Mary Elizabeth Garrett Memorial Alumnæ Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

DAVID HILT TENNENT, PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

JAMES BARNES, PH.D., *Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH,* PH.D., *Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, PH.D., *Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Margaret Kingsland Haskell Professor of English Composition.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

* Granted leave of absence for the year 1919-20.

EDITH ORLADY, A.B., Secretary and Registrar of the College.

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

ROGER FREDERIC BRUNEL, Ph.D., Professor of Chemistry.

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, Ph.D., Phebe Anna Thorne Professor of Education and Director of the Phebe Anna Thorne Model School.

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, Ph.D., Associate in Experimental and Applied Psychology.

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, Ph.D., Associate Professor of French.

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Dean of the College, Bryn Mawr College, 1916-17.

SAMUEL CLAGGETT CHEW, Ph.D., Associate Professor of English Literature.

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, Ph.D., Associate Professor of Mediæval French Literature.

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

SUSAN MYRA KINGSBURY, Ph.D., Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

GEORGIANA GODDARD KING,* A.M., Professor of the History of Art.

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER, Ph.D., Professor of Classical Archæology.

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13; Absent for Military Service, 1917-19.

CHARLES GHEQUIERE FENWICK, Ph.D., Professor of Political Science.

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

* Granted leave of absence for the year 1919-20.

HOWARD LEVI GRAY, PH.D., *Professor of History.*

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15. Absent on War Service, 1918-19.

JAMES LLEWELLYN CRENSHAW, PH.D., *Associate Professor of Physical Chemistry.*

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15. Absent for Military Service, 1917-19.

HOWARD JAMES SAVAGE, PH.D., *Associate Professor of Rhetoric and Director of the Work in English Composition.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915. Absent for Military Service, 1917-19.

ETHEL ERNESTINE SABIN, PH.D., *Associate in Philosophy.*

A.B., University of Wisconsin, 1908, and A.M., 1914; Ph.D., University of Illinois, 1916. Graduate Scholar, University of Wisconsin, 1913-14; Fellow, University of Illinois, 1914-16; Assistant in English, University of Illinois, 1916-17.

ADA HART ARLITT, PH.D., *Associate in Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

ANNA JOHNSON PELL, PH.D., *Associate Professor of Mathematics.*

A.B., University of South Dakota, 1903; M.S., University of Iowa, 1904; A.M., Radcliffe College, 1905; Ph.D., University of Chicago, 1910; Holder of Alice Freeman Palmer Fellowship of Wellesley College and Student in Mathematics, University of Göttingen, 1906-07; Instructor in Mathematics, Mount Holyoke College, 1911-14, and Associate Professor of Mathematics, 1914-18.

CHARLES WENDELL DAVID, PH.D., *Associate Professor of History.*

B.A., Oxford University, 1911; A.M., University of Wisconsin, 1912; Ph.D., Harvard University, 1918; Rhodes Scholar, University of Oxford, 1908-11. Instructor in History, University of Washington, 1915-18.

AGNES RUTHERFORD RIDDELL, PH.D., *Associate in Italian.*

A.B., University of Toronto, 1896, with first class honours in Modern Languages; and A.M., 1897. Honours, Ontario Normal College, 1898. Ph.D., University of Chicago, 1916. Teacher of French and German, Oshawa High School, 1898-1901; Assistant Reader, Department of English, University of Toronto, 1902-11; Teacher of English, Branksome Hall, Toronto, 1904-05; Teacher of German, Latin and English, Westbourne School, Toronto, 1906-10, 1913-14; Graduate Student in Romance Languages, University of Chicago, January, 1912, to August, 1913; Fellow in Romance Languages, University of Chicago, 1914-15; Acting Head of Kelly Hall, University of Chicago, summers of 1913, 1914 and 1915; Professor of Romance Languages, and Dean of Women, College of Emporia, 1915-17.

SUMNER CUSHING BROOKS, PH.D., *Associate Professor of Physiology and Biochemistry.*

B.S., Massachusetts Agricultural College, 1910; Ph.D., Harvard University, 1916. Assistant in Botanical Station, Massachusetts Agricultural College, 1910-12; Teaching Fellow in Botany, Harvard Summer School, 1917; Hanna Research Fellow, Western Reserve Animal Experimental Station, 1918; Research Fellow in Tropical Medicine and Assistant, Harvard Medical School, 1918-19.

MARCELLE PARDÉ, *Agrégée des Lettres, Associate in French.*

Beauvais, Oise, France. Ecole Normale Supérieure de Sèvres, 1911-14. Teacher in the Lycée, Chaumont, Haute Marne, 1915-19; Student, the Sorbonne, 1911-16; Agrégée des lettres, University of Paris, 1917.

HORACE WETHERILL WRIGHT, PH.D., *Associate in Latin.*

A.B., University of Wisconsin, 1908; Ph.D., University of Pennsylvania, 1917. Wisconsin University, 1910-11; University of Pennsylvania, 1911-13; American School of Classical Studies in Rome, 1914-15; Instructor in Latin, University of Missouri, 1917-18; Instructor in Latin, Oberlin College, 1918-19.

GEORGE HERMANN DERRY, Ph.D., *Lecturer in Economics.*

Graduate in Honours, School of Philosophy and Social Science, Stonyhurst College, England, 1902; Ph.D., Holy Cross College, Worcester, Mass., 1908. Johns Hopkins University, 1902-04; Student in Paris, 1909-10; Assistant Professor of Romance Languages, University of Kansas, 1917-18; Assistant Professor of Political Science, University of Kansas, 1918-19.

EDITH E. WARE, Ph.D., *Lecturer in American History.*

A.B., Goucher College, 1905; A.M., Columbia University, 1908, and Ph.D., 1916. Instructor in History, Smith College, 1914-19.

ARTHUR EDWIN BYE, Ph.D., *Lecturer in History of Art.*

A.B., University of Pennsylvania, 1911; A.M., Princeton University, 1914 and Ph.D. 1918. University of Oxford, 1910-11; Princeton University, 1913-16. Instructor in English, Lafayette College, 1914-16; Assistant Professor of Art History, Vassar College, 1916-19.

EDUARD PROKOSCH, Ph.D., *Lecturer in German and Anglo-Saxon.*

Eger, Bohemia. University of Prague, 1894-95; University of Vienna, 1895-97; University of Chicago, 1899-1904; *Staats Examen*, 1897; A.M., University of Chicago, 1901; University of Leipzig, 1904-05; Ph.D., University of Leipzig, 1905. Instructor in German, Francis W. Parker School and School of Education, University of Chicago, 1901-02; Instructor in German Department, University of Chicago, 1902-04; University of Wisconsin, 1905-09; Assistant Professor of German and Comparative Philology, University of Wisconsin, 1909-13; Professor of Germanic Philology, University of Texas, 1913-19.

EVA WHITING WHITE, B.S., *Non-resident Lecturer in Social Economy (Community Organization).*

B.S. Simmons College, 1907. Head Resident, Elizabeth Peabody House, Boston, Mass., 1909—; Massachusetts Board of Education, in charge of Vocational Education for Women and Girls, 1910-14; Staff Lecturer, Boston School for Social Work, 1912-14; Massachusetts Homestead Commission, 1916—; Massachusetts Immigration Commission, 1916; Survey of Public Schools, Gary, Ind., 1916; Vice-Chairman, Federal Commission on Living Conditions, 1917-19; Director of Training, Intercollegiate Community Service Association, 1919—.

NEVA DEARDORFF, Ph.D., *Non-resident Lecturer in Social Economy (Social Relief).*

A.B., University of Michigan, 1908; Ph.D., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1908-11. Staff, Assistant Director, Bureau of Municipal Research, Philadelphia, 1912-18; Chief, Department of Vital Statistics, City of Philadelphia, 1914-16; Assistant to Director-General of Civilian Relief, American Red Cross, 1918—.

HENRIETTA ADDITON, A.B., *Non-resident Lecturer in Social Economy (Social Guardianship).*

A.B., Piedmont College, 1907; Fellow, University of Pennsylvania, 1910-11, 1912-13. Instructor, History and Civics, Piedmont College, 1908-10; Agent, Philadelphia Society for Organizing Charity, 1913-14; Philadelphia Municipal Court, 1914-16; In Charge, Probation Department, Juvenile Court, 1917; Assistant Director, Director, Section on Women and Girls, Law Enforcement Division, Commission on Training Camp Activities, War Department, 1918-19; Executive Assistant and Director, Field Service, Women and Girls, United States Interdepartmental Social Hygiene Board, 1919—.

MARY HAMILTON SWINDLER, Ph.D., *Instructor in Latin and Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, in Miss Wright's School, Bryn Mawr, 1911-12, and in the Phebe Anna Thorne Model School, 1914-17.

ANNA BEZANSON, A.M., *Instructor in Social Economy and Social Research.*

A.B., Radcliffe College, 1915, and A.M., 1916. Harvard University, 1915-16; Manager of Business Firm, 1903-11; Assistant in Economic Research, Harvard University, 1916-18; Lecturer on Statistics, Wellesley College, 1917-18.

MARJORIE LORNE FRANKLIN, A.M., *Instructor in Economics and Politics.*

A.B., Barnard College, 1913, and A.M., Columbia University, 1916. Graduate Scholar, Bryn Mawr College, 1913-14 and Fellow in Economics, 1914-15; Columbia University, 1915-16; Library Assistant, American Telephone and Telegraph Co., 1916-17; Instructor in Political Science, Vassar College, 1917-18.

HELEN E. FERNALD, A.B., *Instructor in History of Art.*

A.B., Mount Holyoke College, 1914. Teachers' College, 1916-18; Scientific Artist and Research Assistant, Columbia University, 1915-18.

MARY AGNES QUIMBY, Ph.D., *Instructor in German.*

A.B., Bryn Mawr College, 1906; A.M., Cornell University, 1916; Ph.D., University of Pennsylvania, 1918; Teacher of German and History in the Berwyn High School, 1907-14; Graduate Student, Cornell University, 1915-16; Pepper Fellow in Germanics, University of Pennsylvania, 1916-18.

MALCOLM HAVENS BISSELL, A.M., *Instructor in Geology.*

Ph.B., Yale University, 1911 and A.M., 1918; Instructor in Engineering, University of Pittsburgh, 1913-14; Assistant in Geography, Yale University, 1917-18; with Connecticut Geological Survey, 1917.

SUE AVIS BLAKE, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15; Bryn Mawr College, 1918-19.

CAROLINA MARCIAL DORADO, A.B., *Instructor in Spanish.*

A.B., Instituto Cardenal Cisneros, University of Madrid, 1907. Graduate Student, Wellesley College, 1909-10; University of Porto Rico, 1914-16; University of Madrid, Summer School, 1913; Columbia University, 1918-19, and University of Pennsylvania, 1918-20; Instructor in Spanish, Wellesley College, 1907-11; Assistant Professor of Spanish Literature, University of Porto Rico, 1911-17; Head of the Spanish Department of Ginn and Co., 1917-18.

ESTHER PARKER ELLINGER, Ph.D., *Instructor in English Composition.*

A.B., Goucher College, 1915; Ph.D., University of Pennsylvania, 1918.

MARY SINCLAIR CRAWFORD, A.B., *Instructor in French.*

A.B., Wilson College, 1903. Teacher in the Barber Memorial Seminary, Anniston, Ala., 1903-05; and in the Misses Timlow's School, Washington, D. C., 1906; Founder and Co-Principal and Head of French Department, King-Crawford Classical School, Terre Haute, Ind., 1906-16; Dean and Head of French Department, Girtton School, Winnetka, Ill., 1916-18. Executive Secretary, Department of Women in Industry of Pennsylvania Council of National Defense, 1918-19; Community Organizer for War Camp Community Service, 1919; Graduate Student, University of Pennsylvania, 1918-19.

HELEN WALKLEY IRVIN, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1915. Teacher of English and Greek and Science in the Bryn Mawr School, Baltimore, 1915-19.

GERTRUDE MARSHALL GEER,* A.B., *Instructor in English Composition.*

A.B., Barnard College, 1919.

DOROTHY MCSPARRAN, A.B.,† *Instructor in English Composition.*

A.B., Cornell University, 1918; Graduate Scholar, Yale University, 1918-20.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1920.

AGNES MURRAY MACFADZEAN, M.A., *Reader in English.*

Glasgow, Scotland. B.A., University of Glasgow, 1910, and M.A., 1911. Student, University of Göttingen, 1910-11; British Graduate Scholar, Bryn Mawr College, 1912-14; Teacher of French and German in the Baliol School, Yorkshire, England, 1915-17; Mail Censor, Liverpool, 1917-19.

GLADYS LOUISE PALMER, A.B., *Reader in the Department of Social Economy and Social Research.*

A.B., Barnard College, 1917. Scholar in Social Economy and Social Research, Bryn Mawr College, 1918-19.

ANNA MARGUERITE MARIE LEHR, A.B., *Reader in Mathematics.*

A.B., Goucher College, 1919.

*Resigned, February, 1920.

†Appointed, February, 1920.

MARY RUTH ALMACK, A.M., *Assistant Demonstrator in Experimental Psychology.*

A.B., Ohio State University, 1915, and A.M., 1916. Fellow in Psychology, Bryn Mawr College, 1916-18.

ISTAR ALIDA HAUPT, A.M., *Assistant Demonstrator in Applied Psychology.*

A.B., Bryn Mawr College, 1917, and A.M., 1918. Scholar in Psychology, Bryn Mawr College, 1917-18.

MARY JANE GUTHRIE, A.M., *Demonstrator in Biology.*

A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoölogy, University of Missouri, 1916-18; Assistant Demonstrator and Honorary Scholar in Biology, Bryn Mawr College, 1918-19.

GERTRUDE WILLIAMS, M.S., *Demonstrator in Chemistry.*

B.S., Oberlin College, 1918, and M.S., 1919. Graduate Student, University of Chicago, 1918-19.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-12.

MARY LOUISE TERRIEN, A.B., *Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

MARY ISABELLE O'SULLIVAN, A.B., *Head Cataloguer.*

A.B., Bryn Mawr College, 1907; New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, Philadelphia, 1909-15; Cataloguer, New York Public Library, 1916-17; Scholar in English Composition, Bryn Mawr College, 1917-18.

MAY MORRIS, Ph.B., *Assistant to the Circulation and Reference Librarian.*

Ph.B., Dickinson College, 1909. Pratt Institute School of Library Science, 1917.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

CONSTANCE ELEANOR DOWD, A.B., *Assistant Director of Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1916. Secretary to Attending Surgeon, Roosevelt Hospital, 1917-18; Clerk, Ordnance Bureau, War Department, 1918-19.

ADMINISTRATIVE AND EXECUTIVE APPOINTMENTS.

M. CAREY THOMAS,* Ph.D., LL.D., L.H.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zurich, 1882. Student in the Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Acting President of the College.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916; Graduate Student, Yale University, 1915-17.

* Granted leave of absence for the year 1919-20.

HILDA WORTHINGTON SMITH, A.M., *Acting Dean of the College.*

A.B., Bryn Mawr College, 1910, and A.M., 1911; Graduate Student, Bryn Mawr College, 1910-11, New York School of Philanthropy, 1912-13, 1914-15, Columbia University, 1914-15; Warden of Rockefeller Hall, 1913-14; Volunteer Social Worker, 1915-16; Director of Community Centre, Bryn Mawr, 1916-19.

ISABEL MADDISON, B.Sc., Ph.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

MARIAN CLEMENTINE KLEPS, A.B., *Assistant to the Secretary and Registrar.*

A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916. Assistant to the Recording Secretary, 1916-17; Reader in Mathematics, 1917-18.

SANDY LEE HURST, *Comptroller.*

LOUISE WATSON, A.B., *Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

RUTH ELLEN LAUTZ, A.B., *Assistant Business Manager.*

A.B., Bryn Mawr College, 1916; Teacher in Miss Howe and Miss Marot's School, Thompson, Conn., 1916-17; in the Phebe Anna Thorne Model School 1917-18; Clerk, Emergency Fleet Corporation, 1918-19.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment.*

GEORGE C. CHANDLER, *Superintendent of Buildings and Grounds.*

HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall and Director of Wardens.*

A.B., Bryn Mawr College, 1889.

ALICE MARTIN HAWKINS, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Philadelphia, 1907-08, and in the Friends' School, Germantown, 1908-09.

EDITH ADAIR, A.B., *Warden of Rockefeller Hall.*

A.B., Bryn Mawr College, 1909. Teacher of English in the High School for Girls, Brooklyn, N. Y., 1909-19.

LESLIE RICHARDSON, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1918. Foreign Correspondent, National City Bank, New York City, 1918.

HANNAH THAYER CARPENTER, A.B., *Warden of Denbigh Hall.*

A.B., Bryn Mawr College, 1898. Student and Teacher of Music, 1899-1919. Volunteer Social Worker, 1907-19, and Teacher, Handicraft Club of Providence, R. I., 1914-19; Teacher of Piano at Music School Settlement, New York City, 1911-13.

HARRIET JEAN CRAWFORD, A.B., *Junior Bursar.*

A.B., Bryn Mawr College, 1902. Chairman of Sectional School Board, 35th Ward, Philadelphia, 1910-16; Warden of Rockefeller Hall, Bryn Mawr College, 1907-11.

HEALTH DEPARTMENT.

HILDA WORTHINGTON SMITH, A.M., *Head of Health Department.*

HELEN HERRON TAFT, A.M., *Ex-officio.*

CONSTANCE M. K. APPLEBEE, *Health Supervisor.*

THOMAS F. BRANSON, M.D., *Physician-in-Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

MARION HAGUE REA, M.D., *Assistant Resident Physician.*

A.B., Vassar College, 1909; M.D., Woman's Medical College of Pennsylvania, 1915. Intern, Philadelphia General Hospital, 1915-16; Assistant Physician, Boston Psychopathic Hospital, 1916-17; Assistant Visiting Chief, Medical Service, Philadelphia General Hospital, and Assistant in Medicine, Woman's Medical College of Pennsylvania, 1918-19.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician.*

GEORGE E. DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 2000 Spruce Street, Philadelphia, *Consultant Surgeon.*

ARTHUR E. BILLINGS, M.D., 264 South 16th Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 302 South 19th Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 South 16th Street, Philadelphia, *Consultant Orthopædist.*

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, Ph.D., *Director.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Professor of Education, Bryn Mawr College.

ELSIE GARLAND HOBSON, Ph.D., *Head Mistress.*

A.B., Boston University, 1895, and A.M., 1896; Ph.D., University of Chicago, 1916. Teacher of Greek and English, High School, Lewiston, Me., 1896-97; Teacher of Greek and Latin, Academy for Women, Jacksonville, Ill., 1897-99; Principal in Greek and Latin, Academy for Women, Jacksonville, Ill., 1899-1900; Principal and Teacher of Greek and Latin, Michigan Seminary, Kalamazoo, Mich., 1900-07; Principal and Teacher of Greek and Latin, Frances Shimer Academy, Mt. Carroll, Ill., 1907-13; Teacher of Greek and Latin, Miss Spaid's School, Chicago, Ill., 1913-14; Head of High School Department and Teacher of Mathematics and History, Mary C. Wheeler School, Providence, R. I., 1914-18.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

MABEL PAULINE WOLFF, A.M., *Teacher of History.*

A.B., Barnard College, 1905, and A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06, Allentown College for Women, 1906-07, Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Washington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16.

ALICE RUTH PARKER, A.M., *Teacher of Greek and Latin.*

A.B., Mount Holyoke College, 1913, and A.M., 1915. Reader in Latin, Mount Holyoke College, 1913-15; Teacher of Latin, High School, Hudson, N. Y., 1915-17; Teacher of Latin, Cortland Normal School, Cortland, N. Y., 1917-18.

MARION MARSH TORREY, A.M., *Teacher of Mathematics.*

A.B., The Women's College in Brown University, 1916, and A.M., 1917. Teacher of Mathematics, St. Johnsbury Academy, St. Johnsbury, Vt., 1917-18.

RIDIE J. GUION, A.M., *Teacher of English.*

A.B., Wellesley College, 1911; A.M., Columbia University, 1917. Teacher of English, Graham Hall, Minneapolis, Minn., 1912-15; Miss Fine's School, Princeton, N. J., 1915-17.

JOSEPHINE WILCOX, Ph.B., *Teacher of French.*

Ph.B., University of Chicago, 1907. Teacher of French, Kenwood-Loring School, Chicago, 1907-08; Alcott School, Lake Forest, Ill., 1907-10; Tutor, Lake Forest, 1910-13; European travel and study, 1913-14; Private Class, Groton, Mass., 1914-15; Teacher of French, Adelphi Academy, Brooklyn, N. Y., 1915-16; The Finch School, New York City, 1916-17; Kenwood-Loring School, Chicago, 1917-19.

ELIZABETH RIDER MERRITT, B.S., *Teacher of Painting, Drawing and Modeling, and Crafts.*

B.S., Teachers College, Columbia University, 1918. Teacher of Fine Arts, Horace Mann School, Teachers College, New York City, 1918-19.

JEAN B. SHOE, B.S., *Teacher of Science.*

B.S., University of Pennsylvania, 1919.

N. ELLENA COLLINGE, B.S., *Teacher of Primary Department.*

B.S., Teachers College, Columbia University, 1909. Graduate Student, Columbia University, 1919.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany, and only authorized Director of the Dalcroze System in the United States.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906. Director of Gymnastics and Athletics, Bryn Mawr College.

ADA HART ARLITT, Ph.D., *Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College, Tulane University, 1913; Ph.D., University of Chicago, 1917; Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14, and Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17; Associate in Educational Psychology, Bryn Mawr College.

MARION HAGUE REA, M.D., *Physician of the School.*

A.B., Vassar College, 1909; M.D., Woman's Medical College of Pennsylvania, 1915. Interne, Philadelphia General Hospital, 1915-16; Assistant Physician, Boston Psychopathic Hospital, 1916-17; Assistant Visiting Chief, Medical Service, Philadelphia General Hospital and Assistant in Medicine, Woman's Medical College of Pennsylvania, 1918-19. Assistant Resident Physician, Bryn Mawr College.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893. Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97; Examining Oculist of Bryn Mawr College.

The Academic Committee of the Alumnae.

- FRANCES BROWNE, A.B. (*Chairman*), 15 East Tenth Street, NEW YORK CITY.
 LOUISE BUFFUM CONGDON, A.B. (Mrs. Richard Standish Francis) (*ex officio*), 414 Old Lancaster Road, HAVERFORD, PA.
 ELEANOR LOUIE FLEISHER, A.B. (Mrs. David Riesman), 1715 Spruce Street, PHILADELPHIA.
 JANET TUCKER HOWELL CLARK, PH.D. (Mrs. Admont Halsey Clark), 232 West Lanvale Street, BALTIMORE, MD.
 MARY BIDWELL BREED, PH.D., 5317 Westminister Street, PITTSBURGH, PA.
 HELEN ESTABROOK SANDISON, PH.D., Vassar College, POUGHKEEPSIE, N. Y.
 ELIZABETH SHEPLEY SERGEANT, A.B., 4 Hawthorn Road, BROOKLINE, MASS.
 ELEANOR LOUISA LORD, PH.D., Goucher College, BALTIMORE, MD.

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

- NEW YORK CITY: MRS. LEARNED HAND, 142 East 65th Street.
 BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 Cathedral Street.
 PITTSBURGH, PA.: MRS. ALEXANDER JOHNSTON BARRON, Woodland Road, Edgeworth, Sewickley.
 UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, Clinton, N. Y.
 NEW HAVEN, CONN.: MRS. CHARLES McLEAN ANDREWS, 424 St. Ronan Street.
 FARMINGTON, CONN.: MRS. HERBERT KNOX SMITH.
 BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, 32 Woodland Road, Jamaica Plain, Mass.
 FALL RIVER, MASS.: MRS. RANDALL NELSON DUFEE, 19 Highland Avenue.
 CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, 1085 Sheridan Road, Hubbard Woods, Ill.
 INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, 3221 North Pennsylvania Street.
 MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, 633 Francis Street.
 MINNEAPOLIS, MINN.: MRS. HAROLD OLNEY HUNT, 2316 First Avenue, South.
 ST. LOUIS, MO.: MRS. GEORGE GELLHORN, 4366 McPherson Avenue.
 PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, Inwood, Hewett Boulevard, Hillsdale.
 LOS ANGELES, CALIF.: MRS. LELAND JAMES FOGG, 1247 Sycamore Avenue, Hollywood, Calif.
 ROSS, CALIF.: MRS. CHARLES PRICE DEEMS, St. John's Rectory.
 SALT LAKE CITY, UTAH.: MISS KATE WILLIAMS, 177 13th East Street.
 ENGLAND: THE HON. MRS. BERTRAND RUSSELL, 11 St. Leonard's Terrace, Chelsea, London.

STUDENTS.

Fellows, Scholars, and Graduate Students for the Year 1919-20.

ERNESTINE EMMA MERCER,

*Bryn Mawr European Fellow and Shippen Foreign Scholar.**

Philadelphia. A.B., Bryn Mawr College, 1919. Prepared by the Girls' High School, Philadelphia. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1915-16, and Trustees' Philadelphia Girls' High School Scholar, 1915-19; Elizabeth S. Shippen Scholar in Foreign Languages, 1918-19.

MARGARET BUCHANAN, . . . *President M. Carey Thomas European Fellow.**

Morgantown, W. Va. A.B., University of West Virginia, 1906. Graduate Student, University of West Virginia, 1907. Teacher of Mathematics, Marshall College, Huntington, W. Va., 1906-07; Assistant in Greek and Mathematics, University of West Virginia, 1908-09, and Instructor in Mathematics, 1907-12, 1915-18; Graduate Student in Mathematics, Bryn Mawr College, 1912-13; Teacher of Mathematics, Baldwin School, Bryn Mawr, 1913-14; and in the High School, Parkersburg, W. Va., 1914-15; Fellow in Mathematics, Bryn Mawr College, 1918-19.

MARY DRUSILLA FLATHER, . . . *Mary E. Garrett European Fellow.**

Lowell, Mass. Ph.B., Women's College in Brown University, 1917. Laboratory Assistant in Comparative Anatomy, Brown University, 1916-17. Graduate Student in Biology, Bryn Mawr College, 1917-18; Fellow in Biology, 1918-19.

THERESE MATHILDE BORN, . . . *Fellow in English.*

Indianapolis, Ind. A.B., Bryn Mawr College, 1918. Graduate Scholar in English, Bryn Mawr College, 1918-19.

MARGARET CAMERON COBB, . . . *Fellow in Geology.*

Portsmouth, Va. A.B., North Carolina Normal College, 1912; A.B., Barnard College, 1915. Teacher in the Public Schools, Norfolk, Va., 1912-14; Student, Barnard College, 1914-15; Columbia University, 1915-16; Fellow in Geology, Bryn Mawr College, 1916-17. Instructor in Geology, Mount Holyoke College, 1917-19.

NINA LOUISE EARLY, . . . *Fellow in History.*

Nashville, Tenn. B.S., Vanderbilt University, 1914, and M.S., 1915. Teacher in the High School, Clarksville, Tenn., 1915-19.

MONICA FLANNERY, . . . *Fellow in Education.*

Berkeley, Calif. A.B., University of California, 1916, and A.M., 1918. Reader in Anthropology, University of California, 1917-18; Teaching Fellow in Anthropology, 1918-19; Editorial Reader, *University Press*, June to September, 1919.

HELEN FRANCES GOLDSTEIN, . . . *Fellow in Chemistry.*

New York City. B.S., Barnard College, 1918. Scholar in Chemistry, Bryn Mawr College, 1918-19.

HOPE HIBBARD, . . . *Fellow in Biology.*

Columbia, Mo. A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoölogy, University of Missouri, 1915-18; Honorary Scholar in Biology and Assistant Demonstrator in Biology, Bryn Mawr College, 1918-19.

GWENDOLYN HUGHES, . . . *Fellow in Social Economy and Social Research.*

Norfolk, Neb. A.B., University of Nebraska, 1916, and A.M., 1917. Scholar in Sociology, University of Nebraska, 1916-17, and Fellow, 1917-18. Assistant, Child Welfare Department, Lincoln Public Schools, 1917-18; Susan B. Anthony Scholar in Social Economy and Social Research, Bryn Mawr College, 1918-19.

ADA RUTH KUHN, . . . *Fellow in Social Economy and Social Research.*

Lincoln, Neb. A.B., University of Nebraska, 1915, and A.M., 1918. Teacher of Mathematics, Physics and Botany in the High School, Stella, Neb., 1915-16; Substitute Teacher in the High School and Graduate Student, University of Nebraska, 1916-18, and Fellow, 1918-19.

* Fellowship deferred.

- AMY LAWRENCE MARTIN, *Fellow in Economics and Politics.*
Chicago, Ill. A.B., Bryn Mawr College, 1915; A.M., Columbia University, 1916. Teacher
of Economics and History, Riverhook, Nyack, N. Y., 1916-19.
- MARGARET GEORGIANA MELVIN, *Fellow in Philosophy.*
New Brunswick, Canada. A.B., Royal Victoria College, McGill University, with honours
in English and Philosophy, 1917. Graduate Scholar in Philosophy, Bryn Mawr College,
1917-18; Fellow in Philosophy, 1918-19.
- MARJORIE JOSEPHINE MILNE, *Fellow in Latin.*
Duluth, Minn. A.B., Bryn Mawr College, 1917, and A.M., 1918. Graduate Scholar in
Greek, 1917-18, and Fellow in Greek, 1918-19.
- MARGARET MONTAGUE MONROE, *Fellow in Psychology.*
Asheville, N. C. Barnard College, Columbia University, 1911-13. A.B., Mount Holyoke
College, 1915. Teacher of French, Commercial High School, Atlanta, Ga., 1915-16;
Scholar in Psychology, Bryn Mawr College, 1916-17, and Fellow in Psychology, 1918-19;
Teacher of Mathematics in Smead School, Toledo, Ohio, 1917-18.
- EDITH MARION SMITH, *Fellow in Greek.*
Pittsburgh, Pa. A.B., Bryn Mawr College, 1918. Graduate Scholar in Greek, 1918-19.
- BIRD MARGARET TURNER, *Fellow in Mathematics.*
Moundsville, W. Va. A.B., West Virginia University, 1915, and A.M., 1916. Student
Assistant in Mathematics, University of West Virginia, 1913-15; Graduate Student in
Mathematics, University of West Virginia, 1914-15, and Assistant in the Summer
School, 1915 and 1916; Principal of the High School, Moundsville, 1915-16; Graduate
Scholar in Mathematics, Bryn Mawr College, 1916-17; Assistant Director of the Phebe
Anna Thorne Model School, 1917-18; President's European Fellow, and Reader in Math-
ematics, Bryn Mawr College, 1918-19.
- ELEANOR LANSING DULLES,
Bryn Mawr Intercollegiate Community Service Association Fellow.
Auburn, N. Y. A.B., Bryn Mawr College, 1917. Relief Work in France, 1917-19.
- MURIEL BARKER, *British Graduate Scholar.*
Nottingham, England. Newnham College, Cambridge, 1912-15. Mathematical Tripos,
Part I, 1913; Part II, 1915; B.Sc., University of London, 1915. Senior Mathematical
Mistress, Belvedere School, Liverpool, 1915-18; Technical Assistant, Royal Aircraft
Establishment, Farnborough, Hants, 1918-19.
- EDITH MARY PRICE, *British Graduate Scholar.*
Teddington, Middlesex, England. Girton College, Cambridge, 1916-19. History Tripos,
Class II, 1919.
- GERTRUDE MAYNE SINCLAIR, *British Graduate Scholar.*
Solihull, Warwickshire, England. Girton College, Cambridge, 1916-19. Classical Tripos,
Class II, Division B, 1919.
- MARIE ANNE CARROI, *French Graduate Scholar.*
Langeais, Indre et Loire, France. Student, Lycée de Tours, 1913-17; Student, University of
Paris, 1917-19. Diplôme d'études secondaires, 1916; Baccalauréat, 1917; Licence de
Philosophie, 1918.
- FRANCE MARIE ALICE CHALUFOUR, . . . *Special French Carola Woerishoffer*
Scholar in Social Economy and Social Research.
Boulogne sur Seine, France. Student, Lycée Molière, 1909-14. Brevet Elementaire,
1912; Diplôme de fin d'études secondaires, 1913. French Mistress, Bangor County
School for Girls, North Wales, 1915-17; Secretary, French Mission, 1917-18; Secretary,
American University Union, Paris, 1918-19.
- MARGUERITE SORBETS, *Special French Carola Woerishoffer Scholar in*
Social Economy and Social Research.
Agen, Lot et Garonne, France. Student, Lycée de Agen, 1909-16; Brevet supérieure, 1916;
University of Bordeaux, 1916-19; Licence de sciences, 1919, Diplôme d'Ingénieur Chim-
iste, 1919.
- SIMONE DE LA SOUCHÈRE, *French Graduate Scholar.*
Sens, Yonne, France. Student, Lycée Fénelon, 1910-13. Ecole Normale Supérieure de
Sèvres, 1913-16. Certificat d'aptitude à l'enseignement des Lettres, Part I, 1913; Part
II, 1915; admissibilité à l'agrégation d'Histoire, 1916. Professor, Collège de Garçons
de Langres, 1916-17; Collège de jeunes Filles de Sens, 1917-19.

- MARTHE JEANNE TROTAIN, *French Graduate Scholar.*
Paris, France. Certificat d'aptitude à l'enseignement d'Anglais dans les Lycées et Collèges, 1918. Student in the Sorbonne, 1916-18; Teacher in Schools in England, 1913-14, 1915-16; French Graduate Scholar, Bryn Mawr College, 1918-19.
- SIGNE ANNA MARIE BERGENSTRAHLE, . . . *Scandinavian Graduate Scholar.*
Sala, Sweden. Student, University of Upsala, 1917-19.
- EDITH ADAIR, *English.*
Brooklyn, N. Y. A.B., Bryn Mawr College, 1909. Teacher of English in the Brooklyn High School for Girls, 1909-19; Warden of Rockefeller Hall, Bryn Mawr College, 1919-20.
- HELEN ADAIR, *Fellow by Courtesy in Politics and Psychology.*
Kearney, Neb. A.B., Barnard College, 1915, and A.M., Columbia University, 1916. Fellow in Economics and Politics, 1917-19.
- MARY RUTH ALMACK, *Fellow by Courtesy in Psychology.*
Coshocton, O. A.B., Ohio State University, 1915, and A.M., 1916. Fellow in Psychology, Bryn Mawr College, 1916-18, and Assistant Demonstrator in Experimental Psychology, 1918-20.
- MARTHA ANDERSON, *Statistics.*
Watertown, Mass. B.S., Simmons College, 1919. Secretary, Consumers' League of Massachusetts, Summer, 1918; Acting Secretary, League for Democratic Control, Summer, 1919; Secretary, Department of Social Economy, Bryn Mawr College, 1919-20.
- CECILIA IRENE BAECHLE, *Scholar in Education.*
Philadelphia. A.B., Bryn Mawr College, 1913. Graduate Student, University of Pennsylvania, 1913-14, Summers, 1914, 1915, 1917. Teacher of Latin, Seiler School, Harrisburg, Pa., 1914; of Latin and English, High School, York, Pa., 1914-16, and of English, 1916-19.
- LUCILE BAILEY, *Scholar in Psychology.*
Lawrence, Kan. A.B., University of Kansas, 1919.
- CORDELIA BARNES, *Penn College Scholar.*
Oskaloosa, Ia. A.B., Penn College, 1919.
- MARY ISABEL BERING, *Social Economy and Social Research.*
Decatur, Ill. A.B., Bryn Mawr College, 1914.
- ANNA MARTHA BOOTH, *English.*
Philadelphia. A.B., Bryn Mawr College, 1918. Graduate Student, Bryn Mawr College, 1918-19.
- MATILDA MOLDENHAUER BROOKS, * *Biology.*
Bryn Mawr, Pa. A.B., University of Pittsburgh, 1912, and M.Sc., 1913.
- MARGARET BUCHANAN, *Scholar in Mathematics.*
Morgantown, W. Va. A.B., University of West Virginia, 1906. Graduate Student, University of West Virginia, 1907. Teacher of Mathematics, Marshall College, Huntington, W. Va., 1906-07; Assistant in Greek and Mathematics, University of West Virginia, 1908-09, and Instructor in Mathematics, 1907-12, 1915-18; Teacher of Mathematics, Baldwin School, Bryn Mawr, 1913-14; and in the High School, Parkersburg, W. Va., 1914-15; Fellow in Mathematics, Bryn Mawr College, 1918-19; President M. Carey Thomas European Fellow (elect), 1919-20.
- ELEANOR HILL CARPENTER, † *Archæology and History of Art.*
Rosemont, Pa. A.B., Bryn Mawr College, 1916. Administrative Assistant, Ordnance Department, Washington, D. C., 1918-19.
- HANNAH THAYER CARPENTER, *Social Economy and Social Research.*
Providence, R. I. A.B., Bryn Mawr College, 1898. Student of Music, 1899-1909; Secretary of the Rhode Island Association for the Collegiate Education of Women, 1905-06; Vice-President of Social Service League, 1907-11, and Treasurer of the North End Junior Working Girls' Club, 1904-07, and President, 1907-09; Student and Teacher of Music, 1910-15; Teacher of Piano at Music School Settlement, New York City, 1911-13; Teacher, Handicraft Club of Providence, and Volunteer Social Worker, 1914-17; Warden of Denbigh Hall, Bryn Mawr College, 1919-20.

* Mrs. Sumner Cushing Brooks.

† Mrs. Rhys Carpenter.

ELEANOR COPENHAVER, . . . *Robert G. Valentine Scholar in Social Economy and Social Research.*

Marion, Va., A.B., Richmond College, Va., 1917. Teacher of Science, The High School, Marion, Va., 1917-18; Scholar in Social Economy and Social Research, Bryn Mawr College, 1918-19.

MARY SINCLAIR CRAWFORD, *French.*

Philadelphia. A.B., Wilson College, 1903. Teacher of Latin and Algebra, Barber Memorial Seminary, Anniston, Ala., 1903-05; Teacher of Latin and Head of College Preparatory Department, Miss Timlow's School, Washington, D. C., 1905-06; Founder and Co-Principal, King-Crawford Classical School, Terre Haute, Ind., 1906-16; Alliance Française, Paris, Summer, 1907; Travel and Study in Europe, Summers, 1909-13; Dean and Teacher of French, Girtton School, Winnetka, Ill., 1916-18; Graduate Student, University of Pennsylvania, 1918-19; Executive Secretary, Department of Women in Industry, Pennsylvania Council of National Defence, 1918-19; Community Organizer for War Camp Community Service, Jan.-Sept., 1919; Instructor in French, Bryn Mawr College, 1919-20.

JANE STODDER DAVIES, . . . *Scholar in Social Economy and Social Research.*

Tufts's College, Mass. A.B., Jackson College, Tuft's College, 1918. Robert G. Valentine Scholar in Social Economy and Social Research, Bryn Mawr College, 1918-19.

CONSTANCE ELEANOR DOWD, *Psychology.*

New York City. A.B., Bryn Mawr College, 1916. Clerk, Ordnance Bureau, War Department, 1918-19; Assistant to Director of Athletics and Gymnastics, Bryn Mawr College, 1919-20.

CAROLINE HELEN DREYFOUS, *Psychology.*

New Orleans, La. A.B., Sophie Newcomb Memorial College, Tulane University, 1919.

LEONA CHRISTINE GABEL, *Fellow by Courtesy in History.*

Syracuse, N. Y. A.B., Syracuse University, 1915. Columbia University, Summer session, 1916. Teacher in the High School, Canastota, N. Y., 1915-17. Graduate Scholar in History, Bryn Mawr College, 1917-18, and Fellow in History, 1918-19. Teacher of History in the Shipley School, Bryn Mawr, 1919-20.

MARGARET GILMAN, *Scholar in French.*

Wellesley, Mass. A.B., Bryn Mawr College, 1919.

MARY JANE GUTHRIE, *Biology.*

Columbia, Mo. A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoölogy, University of Missouri, 1916-18; Honorary Scholar in Biology and Assistant Demonstrator in Biology, Bryn Mawr College, 1918-19; Demonstrator in Biology, 1919-20.

EMMA M. HAIGH, *Spanish.*

Ardmore, Pa. B.S., Teachers' College, Columbia University, 1909; A.M., University of Pennsylvania, 1911. Teacher of German, Friends' Central School, Philadelphia, 1901-03; Head of German Department, Trenton Normal School, 1903-08; Teacher of German, Philadelphia High School for Girls, 1909-12; of German and Spanish, West Philadelphia High School for Girls, 1912—.

GRACE HAMILTON HATHEWAY, *Social Economy and Social Research.*

St. John, New Brunswick, Canada. A.B., Oberlin College, 1911. Manuscript Reader, *St. Nicholas Magazine*, 1912-13; Secretary-Editor, *The American Magazine*, 1914-15; Manager, Correspondence Department, *Encyclopedia Britannica*, 1916-19.

ISTAR ALIDA HAUPT, *Psychology.*

Roland Park, Md. A.B., Bryn Mawr College, 1917, and A.M., 1918. Graduate Scholar in Psychology, Bryn Mawr College, 1917-18, and Assistant Demonstrator in Applied Psychology, 1918-20.

ALICE MARTIN HAWKINS, *Economics.*

Germantown, Philadelphia. A.B., Bryn Mawr College, 1907. Teacher of English, Miss Robins' School, Mt. Airy, Philadelphia, 1907-08; Germantown Friends' School, Philadelphia, 1908-09; Warden of Merion Hall, Bryn Mawr College, 1916-20.

MARGARET HUDSON, *French.*

Philadelphia. A.B., Bryn Mawr College, 1909. Head of Department of French in the New Jersey Normal School, Trenton, N. J., 1910-15; Teacher of Latin and French in the West Philadelphia High School for Girls, 1915-20; Graduate Student in French, Bryn Mawr College, 1912-13, 1918-19.

- ELIZABETH PINNEY HUNT,* *Social Economy and Social Research.*
 Haverford, Pa. A.B., Bryn Mawr College, 1912. Social Service Work in National Progressive Party, 1913-14; Graduate Student, Bryn Mawr College, 1917.
- ELEANOR JAMES, *Social Economy and Statistics.*
 Philadelphia. A.B., Bryn Mawr College, 1902. Teacher in Public School, Milford, Del., 1902-03; Teacher of Latin in Miss Gleim's School, Pittsburgh, Pa., 1903-04, of Latin and English, 1904-05, and of Latin, 1905-08; Graduate Student, Bryn Mawr College, First Semester, 1908-09, and Graduate Scholar, 1910-11; Head of Latin Department in the Misses Shipley's School, Bryn Mawr, 1908-10, and in the Rye Seminary, Rye, N. Y., 1911-17; Head of Latin Department, Devon Manor School, Devon, Pa., 1917-18; Research Worker and Statistician, Emergency Fleet Corporation, 1918-19; Teacher and Educational Research Worker, John Wanamaker's Store, 1919-20.
- MYRA RICHARDS JESSEN,† *Latin.*
 Rosemont, Pa. A.B., Bryn Mawr College, 1915.
- MARGARET COLLINS KNAPP, *Scholar in Philosophy.*
 Marcellus, N. Y. A.B., Cornell University, 1919.
- ANNA MARGUERITE MARIE LEHR, *Mathematics.*
 Baltimore, Md. A.B., Goucher College, 1919. Reader in Mathematics, Bryn Mawr College, 1919-20.
- AGNES MURRAY MACFADZEAN, *Education.*
 Glasgow, Scotland. B.A., University of Glasgow, 1910 and M.A., 1911. Student, University of Göttingen, 1910-11; British Graduate Scholar, Bryn Mawr College, 1912-13, and Special British Graduate Scholar, 1913-14; Teacher of French and German in the Balliol School, Sedbergh, Yorkshire, 1915-16; Mail Censor, Liverpool, 1916-19; Reader in English, Bryn Mawr College, 1919-20.
- FLORENCE REYNOLDS MASON, *Social Economy and Social Research.*
 Elmira, N. Y. A.B., Elmira College, 1918. Graduate Student in Industrial Supervision Course, Bryn Mawr College, 1918-19; Secretary, Department of Social Economy, 1919-20.
- BEATRICE MCGEORGE, *Education.*
 Cynwyd, Pa. A.B., Bryn Mawr College, 1901. Teacher of English and French in Miss Keyser's School, Philadelphia, 1902-03, and in the Agnes Irwin School, Philadelphia, 1918-20; Graduate Student, Bryn Mawr College, 1902-03, 1918-19, and Tutor in French, 1918-19.
- ERNESTINE EMMA MERCER, *Scholar in Latin.*
 Philadelphia. A.B., Bryn Mawr College, 1919. Bryn Mawr European Fellow (elect) and Shippen Foreign Scholar (elect), 1919-20.
- CATHERINE NEEDHAM, *Margaret Kingsland Haskell Scholar in English Composition.*
 Urbana, Ill. A.B., University of Illinois, 1918, and A.M., 1919.
- ALICE MAYNARD FIELD NEWKIRK,‡ *Social Economy and Social Research.*
 Radnor, Pa. A.B., University of Cincinnati, 1899. Substitute Teacher, Detroit Public Schools, 1900-01; Student of Eugenics with Dr. Charles B. Davenport, Summer, 1912; President of Pennsylvania College Equal Suffrage League, 1915-17; Examiner, Woman's Division, U. S. Employment Service, 1918.
- ALICE HARRISON NEWLIN, *Scholar in Philosophy.*
 Whitford, Pa. A.B., Bryn Mawr College, 1918.
- MARY ISABELLE O'SULLIVAN, *History.*
 Philadelphia. A.B., Bryn Mawr College, 1907. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, 1909-15; New York State Library School, 1915-16; Cataloguer, New York Public Library, 1916-17; Scholar in English Composition, Bryn Mawr College, 1917-18; Head Cataloguer, Bryn Mawr College, 1918-20.
- ALICE RUTH PARKER, *Politics.*
 West Barrington, R. I. A.B., Mount Holyoke College, 1913, and A.M., 1915. Reader of Latin, Mount Holyoke College, 1913-15; Teacher of Latin in the High School, Hudson, N. Y., 1915-17, in the High School, Cortland, N. Y., 1917-18, and in the Phebe Anna Thorne Model School, 1918-20.

*Mrs. Andrew Dickson Hunt.

† Mrs. Karl Detlev Jessen.

‡ Mrs. Walter M. Newkirk. □

- FRANCES SHIPMAN PENROSE,.....*Scholar in Politics.*
Walla Walla, Wash. A.B., Whitman College, 1919.
- MARY DEMING PENROSE,.....*Scholar in History.*
Walla Walla, Wash. A.B., Whitman College, 1918. Secretary, Y. W. C. A., Walla Walla, 1918-19.
- ETHEL MARTHA POWIS,.....*Chemistry and Biology.*
Trenton, N. J. A.B., Mount Holyoke College, 1919.
- LESLIE RICHARDSON,.....*Social Economy and Social Research.*
Cambridge, Mass. A.B., Bryn Mawr College, 1918. Warden of Radnor Hall, Bryn Mawr College, 1919-20.
- DOROTHY AUSTIN SEWELL,.....*Chemistry and Biology.*
Walton, N. Y. A.B., Smith College, 1916. Cornell University, 1916-17. Fellow in Biology, Bryn Mawr College, 1917-18, and Scholar in Biology, 1918-19.
- FLORENCE ALICE SMITH,.....*Scholar in English.*
Goderich, Ontario, Canada. A.B., University of Toronto, 1919.
- ISABEL F. SMITH,.....*Scholar in Geology.*
Los Angeles, Calif. A.B., Bryn Mawr College, 1915. Teacher in Miss Wheeler's School, Providence, R. I., 1915-17; Graduate Scholar in Geology, Bryn Mawr College, 1917-18; President M. Carey Thomas European Fellow and Fellow in Geology, 1918-19.
- KATE BRITTAIN SMITH,.....*Guilford College Scholar.*
Summerfield, N. C. A.B., Guilford College, 1919.
- HELEN ELIZABETH SPALDING,.....*Social Economy and Social Research.*
Detroit, Mich. A.B., Bryn Mawr College, 1919.
- MARY RYAN SPILLANE,*.....*Spanish.*
Philadelphia. A.B., Bryn Mawr College, 1909. Assistant in English in the Lower Merion High School, 1909-13; Oral Tutor in German, Bryn Mawr College, 1912-13; Private Tutor, 1909-20.
- LILA VIRGINIA STEVENSON,.....*Latin.*
Brooklyn, N.Y. A.B., Cornell University, 1916. Teacher of Latin in Science Hill School, Shelbyville, Ky., 1917-19; in the Baldwin School, Bryn Mawr, 1919-20.
- FANNIE ESPEN TELLER,.....*English.*
Philadelphia. A.B., Bryn Mawr College, 1918. Smith College, Summer, 1918. Social Worker, American Red Cross, Philadelphia, 1918-20.
- MARIAN MARSH TORREY,.....*Mathematics.*
Providence, R. I. A.B., the Women's College in Brown University, 1916, and A.M., 1917. Teacher of Mathematics in St. Johnsbury Academy, St. Johnsbury, Vt., 1917-18, and in the Phebe Anna Thorne Model School, Bryn Mawr College, 1918-20. Graduate Student, Bryn Mawr College, 1918-19.
- GWEE HSIN WANG,.....*Scholar in Chemistry.*
Kiukiang, Kiangsi, China. A.B., Western College, 1919.
- AMEY EATON WATSON,†.....*Social Economy and Social Research.*
Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910. Teacher in Miss Wheeler's School, Providence, R. I., 1907-08; Instructor in the Department of Social Science, University of Utah, 1912; Graduate Student, Bryn Mawr College, 1915-19.
- LEDA FLORENCE WHITE,.....*Social Economy and Social Research.*
Philadelphia. A.B., Bryn Mawr College, 1904; A.M., University of Pennsylvania, 1913. Columbia University, 1914-15; Teacher of Latin and French, Moorestown, N. J., 1904-08; of English and History, Germantown Friends' School, Philadelphia, 1908-14; Statistical Secretary for New York Commission on Welfare of Teachers, 1915-16; Investigating Clerk, Guaranty Trust Co., New York City, 1916-17; Assistant Professor in Statistics, Drexel Institute, Philadelphia, 1918-20.

* Mrs. Timothy J. Spillane.

† Mrs. Frank D. Watson.

- MABEL PAULINE WOLFF,.....*Politics*.
 Myerstown, Pa. A.B., Barnard College, 1905; A.M., Columbia University, 1915.
 Teacher, Public School, Patton, Pa., 1905-06; Allentown College for Women, 1906-07;
 Paulsboro High School, Paulsboro, N. J., 1907-11; Washington Seminary, Washington,
 Pa., 1911-14, Leominster High School, Leominster, Mass., 1915-16; Teacher in the
 Phebe Anna Thorne Model School, 1916-20.
- HELEN FRANCES WOOD,.....*Scholar in Latin*.
 South Hadley Falls, Mass. A.B., Mount Holyoke College, 1918.
- RUTH JACKSON WOODRUFF,.....*Scholar in Psychology*.
 Scranton, Pa. A.B., Bryn Mawr College, 1919.
- JOSEPHINE LUCILLE ZRUST,..*Susan B. Anthony Scholar in Social Economy
 and Social Research*.
 Clarkson, Neb. A.B., University of Nebraska, 1919.

GRADUATE STUDENTS IN INDUSTRIAL SERVICE COURSE.

- MARGARET ETHEL DURGIN,.....*Social Economy and Social Research*.
 Concord, N. H. A.B., Mount Holyoke College, 1913. Cornell University, Summer, 1916.
 Teacher of Latin, French and History, High School, Waterbury, Vt., 1913-14; of English
 in the High School, Concord, N. H., 1914-15, and of Latin, 1915-19.
- LISETTE EMERY FAST,.....*Social Economy and Social Research*.
 Denver, Colo. A.B., Leland Stanford, Jr., University, 1919.
- JOSEPHINE GUYOT,.....*Social Economy and Social Research*.
 Rochester, N. Y. A.B., Radcliffe College, 1918. Private Tutor, 1918-19.
- EMILY HARRIET HUNTINGTON,.....*Social Economy and Social Research*.
 San Francisco, Calif. A.B., University of California, 1917.
- BARBARA LEE JOHNSON,..*Special Bryn Mawr Intercollegiate Community
 Service Association Fellow*.
 Mexico, Mo. A.B., Smith College, 1919. Head Counselor, Y. W. C. A. Camp, Monte
 Bello, Mo., 1918-19.
- SADIE MAY KRAUS,.....*Social Economy and Social Research*.
 Indianapolis, Ind. A.B., Butler College, 1907. Chicago School of Philanthropy, Autumn,
 1917. Teaching, 1897-1900, 1905-09.
- EVELYN CHRISTIANA MCKAY,.....*Social Economy and Social Research*.
 Goldbar, Wash. A.B., University of British Columbia, 1919.
- WINIFRED CHARLOTTE MILES,.....*Social Economy and Social Research*.
 Berkeley, Calif. A.B., University of California, 1919.
- GLADYS LOUISE PALMER,.....*Social Economy and Social Research*.
 Philadelphia. A.B., Barnard College, 1917. Scholar in Social Economy and Social
 Research, Bryn Mawr College, 1917-18; Research Secretary, Carola Woerishoffer
 Department of Social Economy and Social Research, 1918-19.
- LOUISE MAY TATTERSHALL,.....*Social Economy and Social Research*.
 White Haven, Pa. A.B., Barnard College, 1908. Teachers' College, Summer, 1914.
 Assistant Principal of the High School, White Haven, 1909-11; Teacher of Mathematics
 in Wykeham Rise, Washington, Conn., 1914-15, and in the Phebe Anna Thorne Model
 School, Bryn Mawr College, 1915-16; Graduate Student, Bryn Mawr College, 1915-16.
- AGNES STERRETT WOODS,.....*Social Economy and Social Research*.
 Carlisle, Pa. A.B., Dickinson College, 1917, and A.M., 1918.

Undergraduate Students, Academic Year, 1919-20.

- ADAMS, MARY, *Group, Chemistry and Biology*, 1919-20.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich, Conn. New England States
Matriculation Scholar, 1919-20.
- AFFELDER, LOUISE MAY,
Group, Economics and Politics and ———, 1919-20.
Pittsburgh, Pa. Prepared by the Peabody High School, Pittsburgh, and by the Schenley
High School, Pittsburgh.
- ALDRICH, SUZANNE KATHERINE, *Group, History and ———*, 1918-20.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- ALLEN, DOROTHY BLAIR, *Group, French and Spanish*, 1916-20.
Montclair, N. J. Prepared by the Kimberley School, Montclair, N. J.
- ANDERSON, EMILY TREMAINE, *Group, ———*, 1918-20.
New York City. Prepared by the Brearley School, New York City.
- ARCHBALD, MARGARETTA THOMPSON,
Group, French and Spanish, 1917-20.
Pottsville, Pa. Prepared by the High School, Pottsville, and by the Shipley School, Bryn
Mawr, Pa.
- ARCHBALD, SARA THOMPSON, *Group, ———*, 1919-20.
Pottsville, Pa. Prepared by the High School, Pottsville, and by the Shipley School, Bryn
Mawr, Pa.
- ARNOLD, ISABEL HART,
Group, Greek and Philosophy and Psychology, 1916-20.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by the Misses
May's School, Boston, Mass. New England States Matriculation Scholar, 1916-17.
- BAIRD, CORNELIA MARCIA,
Group, Economics and Politics and ———, 1918-20.
Yonkers, N. Y. Prepared by the Brearley School, New York City.
- BALDWIN, HENRIETTA ELIZABETH,
Group, Economics and Politics and Psychology, 1917-20.
Williamsport, Pa. Prepared by the High School, Williamsport, and by the Misses Kirk's
School, Bryn Mawr, Pa. Maria Hopper Sophomore Scholar, 1918-19.
- BALDWIN, MARY, *Group, Spanish and Italian*, 1917-20.
Garden City, N. Y. Prepared by the Brearley School, New York City.
- BALLOU, MARGARET HOWLAND, *Group, Latin and English*, 1916-20.
Marblehead, Mass. Prepared by Miss Howe's School, Salem, Mass., by the Salem High
School, by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- BARKER, MARGERY TEEGARDEN, *Group, ———*, 1920.
Michigan City, Ind. Prepared by the Brearley School, New York City, and by the
Misses Kirk's School, Bryn Mawr, Pa.
- BARON, SADIE MURIEL, *Group, Chemistry and ———*, 1918-20.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Mer-
ion High School Scholar, 1918-19; Special Scholar, 1919-20.
- BARTON, CATHERINE, *Group, French and Spanish*, 1917-20.
Omaha, Neb. Prepared by the Mary C. Wheeler School, Providence, R. I., and by private
tuition.
- BATCHELDER, URSULA CHASE,
Group, History and Economics and Politics, 1918-20.
Faribault, Minn. Prepared by St. Mary's Hall, Faribault.
- BEARDSLEY, RUTH ADELENE, *Group, ———*, 1919-20.
Pittsburgh, Pa. Prepared by the Peabody High School, Pittsburgh, Pa.

- BEAUDRIAS, ISABELLE, *Group*, ———, 1919-20.
Yonkers, N. Y. Prepared by the Halsted School, Yonkers, N. Y.
- BECKWITH, LYDIA LOVE, *Group, French and History*, 1917-20.
Chicago, Ill. Prepared by the Girls' Latin School, Chicago, and by Rosemary Hall, Greenwich, Conn.
- BENNETT, ELEANOR CUSTIS, *Group, Chemistry and Biology*, 1918-20.
Overbrook, Pa. Prepared by the Agnes Irwin School, Philadelphia.
- BENNETT, HELEN ADELAIDE, *Group, French and Spanish*, 1917-20.
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by the Pennsylvania College for Women, Pittsburgh. Pittsburgh Bryn Mawr Club Scholar, 1917-18.
- BENNETT, LOIS HILTON, *Group, French and Italian*, 1919-20.
Brewster, N. Y. Prepared by the Veltin School, New York City, and by the Baldwin School, Bryn Mawr, Pa.
- BICKLEY, CATHERINE ELIZABETH,
Group, Economics and Politics and Philosophy and Psychology, 1917-20.
Philadelphia. Prepared by the Shipley School, Bryn Mawr, Pa.
- BILLSTEIN, FLORENCE WARRINGTON,
Group, Psychology and Physics, 1917-20.
Riderwood, Md. Prepared by the Bryn Mawr School, Baltimore, and by private tuition.
- BLISS, ELEANOR ALBERT, *Group, Chemistry and Biology*, 1917-20.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BLISS, FRANCES McDOWELL, *Group*, ———, 1918-20.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BOLTON, CECILE BALDWIN, *Group, Psychology and Physics*, 1917-20.
Charlottesville, Va. Prepared by St. Anne's School, Charlottesville. Special Scholar, 1919-20.
- BOSWELL, ELEANORE, *Group, Greek and English*, 1917-20.
Philadelphia. Prepared by the High School, Germantown, and by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1917-20.
- BOWERS, LUCY KATE, *Group*, ———, 1919-20.
Nashua, N. H. Prepared by the Lincoln School, Providence, R. I., and by the Misses Kirk's School, Bryn Mawr, Pa.
- BOYNTON, ZELLA DETMOLD,
Group, Modern History and Economics and Politics, 1916-20.
New York City. Prepared by the Latin School, Chicago, Ill., and by the Brearley School, New York City.
- BRADLEY, MARIAN SARAH, *Group*, ———, 1919-20.
Wellsville, N. Y. Prepared by the High School, Wellsville, N. Y.
- BRIGHT, ELIZABETH, *Group*, ———, 1919-20.
Cambridge, Mass. Prepared by the Winsor School, Brookline, Mass., and by private tuition.
- BROKAW, MARY VIRGINIA, *Group*, ———, 1919-20.
Bound Brook, N. J. Prepared by the Bound Brook High School, Bound Brook, N. J., by Dana Hall, Wellesley, Mass., and by the Baldwin School, Bryn Mawr, Pa.
- BROWN, ETHEL BLAKE,
Group, History and Economics and Politics, 1918-20.
New York City. Prepared by Miss Chapin's School, New York City.
- BROWN, JANE LOGAN,
Group, Economics and Politics and Philosophy and Psychology, 1917-20.
Springfield, Ill. Prepared by the High School, Springfield, by Rosemary Hall, Greenwich, Conn., and by private tuition.

- BROWN, MADELAINE RAY,
Group, Economics and Politics and Psychology, 1916-20.
 Providence, R. I. Prepared by the Lincoln School, Providence.
- BROWN, MIRIAM BURKLOE, *Group, Psychology and Biology, 1916-20.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Mary Anna Longstreth
 Memorial Scholar, 1916-17; Special Scholar, 1917-18; Elizabeth S. Shippen Scholar in
 Science, 1919-20.
- BRUSH, ELEANOR PEABODY, *Group, English and French, 1918-19.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BÜHLER, EDITH LOUISE, *Group, History and ———, 1919-20.*
 New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- BUNCH, LAURA CREASE, *Group, French and ———, 1919-20.*
 New York City. Prepared by the Holton Arms School, Washington, D. C.
- BURGES, JANE RUST,
Group, History and Economics and Politics, 1918-20.
 El Paso, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- BURNS, EMILY LONGFELLOW, *Group, French and ———, 1918-20.*
 Brookline, Mass. Prepared by the Winsor School, Brookline.
- BURR, DOROTHY, *Group, Latin and Mathematics, 1919-20.*
 Philadelphia. Prepared by Miss Hills' School, Philadelphia, and by private tuition.
- BUTLER, MARGARET ELISABETH,
Group, Economics and Politics and Psychology, 1915-20.
 St. Paul, Minn. Prepared by the Visitation Convent, St. Paul, and by Mrs. Backus's
 School for Girls, St. Paul.
- BUTTENWIESER, HILDA, *Group, Greek and Latin, 1916-20.*
 Cincinnati, O. Prepared by the University School, Cincinnati. Special Scholar, 1918-19;
 Mary Anna Longstreth Senior Scholar, 1919-20.
- CADOT, LOUISE FONTAINE,
Group, History and Economics and Politics, 1917-20.
 Richmond, Va. Prepared by the Virginia Randolph Ellett School, Richmond. Special
 Scholar, 1918-19; Mary E. Stevens Junior Scholar, 1919-20.
- CAMERON, CONSTANCE GUYOT, *Group, French and Spanish, 1918-20.*
 Princeton, N. J. Prepared by Miss Fine's School, Princeton. Frances Marion Simpson
 Scholar, 1918-20; Chicago Bryn Mawr Club Scholar, 1919-20.
- CANBY, MARJORIE WISTAR, . . . *Group, French and Modern History, 1916-20.*
 Philadelphia. Prepared by the Friends' Preparative Meeting School, Germantown.
- CAREY, MARGARET CHESTON, *Group, ———, 1919-20.*
 Riderwood, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- CAREY, MARGARET MILLICENT, *Group, Greek and English, 1916-20.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Pennsylvania and
 Southern States Matriculation Scholar and Bryn Mawr School Scholar, 1916-17; Elizabeth
 S. Shippen Scholar in Foreign Languages, 1919-20.
- CARSON, GRACE ALLEN, *Group, History and ———, 1919-20.*
 Ridgewood, N. J. Prepared by the High School, Ridgewood, and by the Mary Lyon
 School, Swarthmore, Pa.
- CARY, MARY KATHARINE, *Group, Chemistry and Biology, 1916-20.*
 Richmond, Va. Prepared by The Virginia Randolph Ellett School, Richmond. Special
 Scholar, 1918-19; Anna M. Powers Memorial Scholar and Special Scholar, 1919-20.
- CECIL, ELIZABETH BARNETT,
Group, Economics and Politics and Psychology, 1917-20.
 Richmond, Va. Prepared by the Virginia Randolph Ellett School, Richmond. Constance
 Lewis Memorial Junior Scholar, 1919-20.

- CHASE, MARTHA FRANCES, *Group, Greek and French*, 1916-20.
Concord, Mass. Prepared by the High School, Concord, and by the Concord School for Girls.
- CHESNUT, MARY MACE, *Group*, ———, 1919-20.
Baltimore, Md. Prepared by the Roland Park Country School, Baltimore, Md.
- CHILD, ELIZABETH REYNOLDS, *Group*, ———, 1919-20.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- CHILDS, FRANCES SERGEANT, *Group*, ———, 1919-20.
New York City. Prepared by Miss Chapin's School, New York City.
- CLARK, DARTHELA, *Group, English and French*, 1916-20.
Philadelphia. Prepared by Miss Landstreet's School, Philadelphia, and by Miss Wright's School, Bryn Mawr, Pa.
- CLARKE, BARBARA, *Group*, ———, 1918-20.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- CLEMENT, AGNES RICHARDSON, *Group*, ———, 1919-20.
Philadelphia. Prepared by Shady Hill Country Day School, Germantown, and by Spring-side School, Chestnut Hill, Philadelphia.
- COCHRAN, JULIA NEWTON, *Group, Philosophy and Psychology*, 1916-20.
The Plains, Va. Prepared by the Bryn Mawr School, Baltimore, Md. Maria Hopper Sophomore Scholar, 1917-18; Anna Hallowell Memorial Scholar, 1918-19.
- COLEMAN, ISABEL, *Group, Chemistry and Biology*, 1918-20.
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the Ethel Walker School, Simsbury, Conn.
- COLLINS, ELEANOR, *Group, Mathematics and Physics*, 1917-20.
Purchase, N. Y. Prepared by the Brearley School, New York City.
- COLMAN, CHARLOTTE KEHL, *Group, History and Economics and Politics*, 1916-20.
La Crosse, Wis. Prepared by the High School, La Crosse, and by the Mary C. Wheeler School, Providence, R. I.
- CONKLIN, JULIA CECILIA, *Group, English and Philosophy*, 1916-20.
Huntington, L. I., N. Y. Prepared by Miss Spence's School, New York City.
- COOKE, DOROTHEA ALICE, *Group, French and Modern History*, 1918-20.
Honolulu, T. H. Prepared by Punahou Academy, Honolulu.
- COOLIDGE, ANNE, *Group, History and Economics and Politics*, 1916-20.
Brookline, Mass. Prepared by the Winsor School, Brookline.
- COPE, ELIZABETH FRANCIS, *Group, Spanish and Modern History*, 1917-20.
Philadelphia. Prepared by Springside, Chestnut Hill, Philadelphia, and by the Westtown Boarding School, Westtown, Pa.
- CORSE, VIRGINIA, *Group*, ———, 1919-20.
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis, and by Rosemary Hall, Greenwich, Conn.
- COWEN, KATHARINE MUIR, *Group, English and Psychology*, 1917-20.
Salem, Mass. Prepared by Miss Howe's School, Salem, and by the Misses May's School, Boston, Mass.
- CROSBY, MARGARET, *Group, French and Modern History*, 1918-20.
Minneapolis, Minn. Prepared by the Northrop Collegiate School, Minneapolis. Bryn Mawr Matriculation Scholar for the Western States, 1918-19.
- DAVIS, LILIAN GOULD, *Group, French and Spanish*, 1916-20.
Schenectady, N. Y. Prepared by the High School, Schenectady, and by the Veltin School, New York City.

DENT, MARGARET MILLER, *Group, English and Italian*, 1916-20.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Ethel Walker School, Lakewood, N. J. Maria Hopper Sophomore Scholar, 1917-18; Mary E. Stevens Scholar, 1918-19.

DESSAU, DOROTHY HELEN,
Group, History and Economics and Politics, 1918-20.
New York City. Prepared by Miss Luke's School, New York City, and by Miss Howe and Miss Marot's School, Thompson, Conn.

DIMELING, CATHARINE, *Group, English and Psychology*, 1917-20.
Clearfield, Pa. Prepared by the High School, Clearfield, and by the Baldwin School, Bryn Mawr, Pa.

DOM, ANNA, *Group, ———*, 1918-20.
Greensburg, Pa. Prepared by the High School, Greensburg, and by the Shipley School, Bryn Mawr, Pa.

DONALDSON, SIDNEY VIRGINIA, *Group, French and Spanish*, 1917-20.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion High School Scholar, 1917-18; Special Scholar, 1918-20.

DONNELLEY, CLARISSA, *Group, French and Modern History*, 1917-20.
Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest, and by Rosemary Hall, Greenwich, Conn.

DONNELLEY, ELEANOR,
Group, Economics and Politics and Psychology, 1917-20.
Lake Forest, Ill. Prepared by the Faulkner School, Chicago, and by Rosemary Hall, Greenwich, Conn.

DONOHUE, ELIZABETH HAVILAND, . . . *Group, French and Spanish*, 1918-20.
New Brunswick, N. J. Prepared by the Baldwin School, Bryn Mawr, Pa., and by Dana Hall, Wellesley, Mass.

DRAKE, GRACE MILES, *Group, ———*, 1919-20.
Omaha, Neb. Prepared by St. Mary's School, Knoxville, Ill., and by the Misses Kirk's School, Bryn Mawr, Pa.

DUNBAR, HELEN FLANDERS, *Group, ———*, 1919-20.
Manchester, Vt. Prepared by the Bishop's School, La Jolla, Calif., by the Brearley School, New York City, and by private tuition.

DUNN, ANITA, *Group, History and Economics and Politics*, 1918-20.
Chicago, Ill. Prepared by the Francis Parker School, Chicago, and by the Shipley School, Bryn Mawr, Pa.

DUNN, MARGARET EBENIA, *Group, ———*, 1919-20.
Santa Barbara, Calif. Prepared by the Santa Barbara Girls' School, Santa Barbara, and by Miss Ransom and Miss Bridge's School, Piedmont, Calif.

EADIE, MARIAN, *Group, French and Spanish*, 1917-20.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.

ECROYD, MARY HAINES, *Group, Mathematics and Geology*, 1918-20.
Newport, R. I. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.

EHLERS, LOUISE CHARLOTTE, . . *Group, Spanish and German*, 1918, 1918-20.
Hoboken, N. J. Prepared by the Hoboken Academy.

EILERS, MARGUERITE ELIZABETH,
Group, Spanish and Modern History, 1916-20.

Sea Cliff, L. I., N. Y. Prepared by the Horace Mann School, New York City, and by the Brearley School, New York City.

ERICSSON, ELIZABETH COLEMAN, *Group, ———*, 1919-20.
Scranton, Pa. Prepared by the Central High School, Scranton.

EVANS, EMILY VICTORIA, *Group, English and Psychology*, 1917-20.
Spartansburg, S. C. Prepared by the Gwyn School, Spartansburg, and by the Baldwin School, Bryn Mawr, Pa.

- FARRELL, HELEN THOMPSON, *Group, Physics and Chemistry*, 1917-20.
New York City. Prepared by the Brearley School, New York City.
- FERGUSON, BERTHA ELIZA, *Group, History and ———*, 1917-20.
Paducah, Ky. Prepared by Rosemary Hall, Greenwich, Conn.
- FERGUSON, DOROTHY ELIZABETH,
Group, History and Economics and Politics, 1918-20.
Philadelphia. Prepared by the High School, Germantown, Philadelphia.
- FERRIS, HILDA, *Group, Mathematics and Physics*, 1916-20.
Philadelphia. Prepared by the Friends' West Philadelphia School, and by the Baldwin School, Bryn Mawr, Pa.
- FETTE, MARIAN CATHERINE DUBACH, *Group, English and Spanish*, 1917-20.
Hannibal, Mo. Prepared by the High School, Hannibal, and by the Misses Kirk's School, Bryn Mawr, Pa.
- FINCH, EDITH, *Group, English and Italian and Spanish*, 1918-20.
New York City. Prepared by Miss Chapin's School, New York City.
- FISHER, JOSEPHINE McCULLON,
Group, History and Economics and Politics, 1918-20.
Melvale, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- FITZ, DELPHINE, *Group, Greek and ———*, 1919-20.
Philadelphia. Prepared by the High School for Girls, Philadelphia. Philadelphia City Scholar, 1919-20.
- FITZGERALD, ANNE, *Group, ———*, 1919-20.
Jamaica Plain, Mass. Prepared by the Girls' Latin School, Boston, and by the MacDuffie School, Springfield, Mass.
- FLEXNER, JEAN AATHERTON,
Group, History and Economics and Politics, 1917-20.
New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey, and Delaware, 1917-18.
- FLOYD, OLIVE BEATRICE, *Group, French and Spanish*, 1918-20.
Lincoln, Mass. Prepared by the Misses Allen School, West Newton, Mass.
- FOLEY, LOUISE MARIE, *Group, French and History of Art*, 1919-20.
Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs, and by private tuition.
- FOOT, EVALYN MARYNIA LAWTHER,
Group, Chemistry and Biology, 1917-20.
Red Wing, Minn. Prepared by the High School, Red Wing, and by the Mary C. Wheeler School, Providence, R. I.
- FOUNTAIN, AUDREY, *Group, English and History of Art*, 1918-20.
Scarsdale, N. Y. Prepared by the Public Schools, Scarsdale.
- FRASER, ANN CORNING, *Group, ———*, 1919-20.
Morristown, N. J. Prepared by the Brearley School, New York City.
- FROST, MARIAN LOUISE, *Group, French and Spanish*, 1916-20.
Plainfield, N. J. Prepared by the Hartridge School, Plainfield, and by the Shipley School, Bryn Mawr, Pa.
- GABEL, ANNE MAY, *Group, ———*, 1918-20.
Lancaster, Pa. Prepared by the Stevens High School, Lancaster.
- GABELL, ELEANOR, *Group, Latin and French*, 1918-20.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City Scholar, 1918-20.
- GADE, ANNA, *Group, ———*, 1919-20.
Bergen, Norway. Prepared by the Bergens Kaleoralskole, Bergen.

- GARDNER, KATHARINE LUCRETIA, *Group, Greek and ———*, 1918-20.
New York City. Prepared by St. Mary's School, Garden City, L. I., and by Rosemary Hall, Greenwich, Conn.
- GARRISON, CLARINDA KIRKHAM,
Group, French and Modern History, 1917-20.
New York City. Prepared by the Brearley School, New York City.
- GARRISON, MARIAN ELIZABETH, . . . *Group, Chemistry and ———*, 1918-20.
Shickshinny, Pa. Prepared by the State Normal School, Bloomsburg, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.
- GATES, IRENE, *Group, Physics and Chemistry*, 1919-20.
St. Davids, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GEORGE, HELEN LILLIAN, *Group, ———*, 1919-20.
Richmond, Va. Prepared by the Virginia Randolph Ellett School, Westhampton, Va.
- GEYER, RUTH BAKER, *Group, ———*, 1919-20.
Middletown, Pa. Prepared by the High School, Middletown, by the Seiler School, Harrisburg, and by the Shipley School, Bryn Mawr, Pa.
- GIST, ESTHER ELIZABETH, *Group, ———*, 1920.
Oak Park, Ill. Prepared by the High School, Oak Park.
- GLASNER, MALVINA DOROTHY,
Group, Economics and Politics and Psychology, 1918-20.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1919-20.
- GODDARD, CELESTINE, . . . *Group, Economics and Politics and ———*, 1919-20.
New York City. Prepared by the Brearley School, New York City.
- GODWIN, ELIZABETH DOUGLAS, *Group, French and Modern History*, 1917-20.
Houston, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- GOGGIN, MARY SIMPSON, *Group, English and Spanish*, 1917-20.
El Paso, Tex. Prepared by the High School, El Paso, and by the Shipley School, Bryn Mawr, Pa.
- GOLDSMITH, KATHERINE PRICE, *Group, ———*, 1919-20.
New York City. Prepared by the Horace Mann School, New York City.
- GOOKIN, NATHALIE CLOTILDE, *Group, Latin and English*, 1916-20.
Chicago, Ill. Prepared by the Latin School for Girls, Chicago. Western States Matriculation Scholar, 1916-17.
- GOWING, JEAN, *Group, Chemistry and Biology*, 1918-20.
Roxborough, Pa. Prepared by the Ladies' College, Ontario, Canada, and by the Germantown High School, Philadelphia.
- GRACE, VIRGINIA RANDOLPH, *Group, Greek and ———*, 1918-20.
New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1918-19.
- GRAY, ELIZABETH JANET GORDON, . . . *Group, Latin and English*, 1919-20.
Philadelphia. Prepared by the Stevens School, Germantown, and by the Germantown Friends' School, Philadelphia.
- GREGG, MARIAN, *Group, French and Spanish*, 1916-20.
St. Louis, Mo. Prepared by the Mary Institute, St. Louis.
- GRIM, LORETTA MAY, *Group, ———*, 1918-20.
Texarkana, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- GUTHRIE, HARRIET SEYMOUR,
Group, Mathematics and Psychology, 1918-20.
Riverside, Ill. Prepared by the University School for Girls, Chicago, and by the Shipley School, Bryn Mawr, Pa.

- HAGEN, HELEN HERMIONE,.....*Group*, ———, 1919-20.
New York City. Prepared by the Brearley School, New York City.
- HALES, LAURA,.....*Group, English and Italian and Spanish*, 1916-20.
Oak Park, Ill. Prepared by the High School, Oak Park, and by the Baldwin School, Bryn Mawr, Pa.
- HALL, ELIZABETH MCGOWAN,.....*Group*, ———, 1918-20.
Kingston, N. Y. Prepared by the Friends' School, New York City, by the High School, Kingston, N. Y., and by Wykeham Rise, Washington, Conn.
- HAND, SERENA EVERETT,.....*Group, History and* ———, 1918-20.
New York City. Prepared by the Brearley School, New York City.
- HARDY, MARY,.....*Group, Mathematics and Physics*, 1916-20.
Cockeysville, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HARRIS, ELEONORE DUBOIS, *Group, French and Modern History*, 1917-20.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HARRISON, ALICE CUNNINGHAM, *Group, English and Philosophy*, 1916-20.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HARRISON, FLORENCE LEFTWICH,.....*Group*, ———, 1919-20.
Raleigh, N. C. Prepared by Miss Madeira's School, Washington, D. C.
- HAWKINS, MARGARET,.....*Group, English and French*, 1916-18, 1919-20.
Denver, Colo. Prepared by the Wolcott School, Denver, and by Rosemary Hall, Greenwich, Conn.
- HAWORTH, KATHERINE FROTHINGHAM,
Group, Psychology and Biology, 1918-20.
Washington, D. C. Prepared by the Lowell High School, San Francisco, Calif. University of California, 1916-17; George Washington University, 1917-18.
- HAY, ALICE HOUGHTON,.....*Group*, ———, 1919-20.
Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.
- HAY, MARY DOUGLASS,
Group, History and Economics and Politics, 1918-20.
Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.
- HEAD, AUDREY VERNELLE,.....*Group*, ———, 1919-20.
Omaha, Neb. Prepared by Rosemary Hall, Greenwich, Conn.
- HEALEA, EDITH,.....*Group, History and Economics and Politics*, 1918-20.
New Philadelphia, O. Prepared by the High School, New Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- HEALEA, MONICA,.....*Group, Mathematics and Physics*, 1916-20.
New Philadelphia, O. Prepared by the High School, New Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- HENNING, JULIA DUKE,.....*Group, French and Spanish*, 1919-20.
Louisville, Ky. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- HILL, HELEN DOROTHY,.....*Group, Psychology and Physics*, 1917-20.
Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest.
- HOAG, MARY SCATTERGOOD,
Group, History and Economics and Politics, 1916-20.
Haverford, Pa. Prepared by the Pensionnat Cuénoud et Roos, Lausanne, Switzerland, and by the Westtown Boarding School, Westtown, Pa.
- HOBODY, ELIZABETH BELLE,.....*Group, English and* ———, 1918-20.
Honolulu, T. H. Prepared by Punahou Academy, Honolulu.

- HOLLINGSWORTH, AGNES, *Group, Mathematics and Physics*, 1917-20.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Special Scholar,
1918-20.
- HOLMES, HARRIET BUCHANAN, . . . *Group, English and Philosophy*, 1916-20.
Cincinnati, O. Prepared by the University School, Avondale, Cincinnati, and by private
tuition.
- HOLT, MARIAN HUBBARD, *Group, ———*, 1919-20.
Chicago, Ill. Prepared by the Latin School, Chicago, by St. Timothy's School, Catons-
ville, Md., and by Miss Spence's School, New York City.
- HOWARD, FRANCES REBECCA, *Group, French and Spanish*, 1917-26.
Louisville, Ky. Prepared by the Semple Collegiate School, and by the Louisville Collegiate
School, Louisville.
- HOWARD, OCTAVIA DUVALL, *Group, Psychology and Biology*, 1918-20.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HOWELL, AUGUSTA APPLETON, *Group, ———*, 1919-20.
Newark, N. J. Prepared by "Westover", Middlebury, Conn., and by Wykeham Rise,
Washington, Conn.
- HOYT, HELEN PHELPS, *Group, ———*, 1919-20.
New York City. Prepared by the Brearley School, New York City.
- HUGHES, FRANCES MAXTON, *Group, ———*, 1919-20.
Philadelphia. Prepared by the High School, Germantown, Philadelphia. Trustees' Scholar,
1919-20.
- HUMPHREY, HELEN GERMAINE, *Group, French and Spanish*, 1916-20.
New York City. Prepared by the Hawthorne School, New York City, and by the Veltin
School, New York City.
- HUMPHREYS, HAROLDINE, *Group, ———*, 1919-20.
New York City. Prepared by the Brearley School, New York City.
- HUMPHREYS, HELEN, *Group, Latin and German*, 1916-20.
Cleveland, O. Prepared by the East High School, Cleveland, and by private tuition.
- HUNTING, HELEN ELIZABETH,
Group, History and Economics and Politics, 1915-20.
Minneapolis, Minn. Prepared by the Central High School, Minneapolis, and by private
tuition.
- HURD, ELEANOR, *Group, ———*, 1919-20.
New York City. Prepared by the Brearley School, New York City.
- HUSSEY, MARGARET WARREN, *Group, ———*, 1919-20.
Lowell, Mass. Prepared by the Bryn Mawr School, Baltimore, and by Rogers Hall,
Lowell, Mass.
- IRESON, LILLEY JANE,
Group, Economics and Politics and Psychology, 1917-20.
Boston, Mass. Prepared by the Girls' Latin School, Boston, and by Miss Wright's School,
Bryn Mawr, Pa.
- JACOBI, ISABEL CHISHOLM, *Group, ———*, 1919-20.
Duluth, Minn. Prepared by St. Mary's Hall, Faribault, Minn., and by the Misses Kirk's
School, Bryn Mawr, Pa.
- JAMES, HELEN MIRIAM,
Group, Economics and Politics and Psychology, 1917-20.
Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs, and by Miss Ethel
Walker's School, Lakewood, N. J.
- JAMES, TERESA DONOHUE, *Group, French and Spanish*, 1916-20.
Washington, D. C. Prepared by Stuart Hall, Staunton, Va., by the Holton Arms School,
Washington, and by Miss Madeira's School, Washington.

- JANEWAY, MARGARET MCALLISTER,
Group, History and Economics and Politics, 1915-20.
 New York City. Prepared by Miss Chapin's School, New York City.
- JAY, ELLEN, *Group, History and Economics and Politics*, 1917-20.
 New York City. Prepared by the Brearley School, New York City.
- JAY, NANCY, *Group, ———*, 1918-20.
 New York City. Prepared by the Brearley School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- JENKINS, DOROTHY DEGROFF, *Group, Mathematics and Physics*, 1916-20.
 Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- JENNINGS, ELIZABETH AIKEN, *Group, ———*, 1919-20.
 Richmond, Va. Prepared by the Virginia Randolph Ellett School, Westhampton, Va.
- JENNINGS, HENRIETTA COOPER,
Group, History and Economics and Politics, 1918-20.
 Danville, Pa. Prepared by the High School, Williamsport, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa. Maria Hopper Sophomore Scholar, 1919-20.
- JOHNSTON, KATHLEEN FLORENCE,
Group, English and Philosophy and Psychology, 1917-20.
 Philadelphia. Prepared by Miss Hills' School, Philadelphia.
- JONES, FRANCES, *Group, French and Italian and Spanish*, 1917-20.
 Granville, O. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- JUSTICE, JEAN GILPIN,
Group, Economics and Politics and Psychology, 1916-20.
 Ardmore, Pa. Prepared by the High School, Narberth, Pa.
- KALES, ELIZABETH, *Group, Chemistry and Biology*, 1917-20.
 Winnetka, Ill. Prepared by the Girtton School, Winnetka, and by Miss Ethel Walker's School, Lakewood, N. J.
- KARNS, RUTH LOUISE,
Group, Economics and Politics and Psychology, 1917-20.
 Benton, Pa. Prepared by Wilkes Barre Institute, Wilkes Barre, Pa. Maria Hopper Sophomore Scholar, 1918-19; Minnie Murdock Kendrick Memorial Scholar, 1919-20.
- KASEBERG, HELEN HENRIETTA, *Group, ———*, 1919-20.
 Portland, Ore. Prepared by the Jefferson High School, Portland, Ore.
- KEEBLE, CORNELIA, . . . *Group, History and Economics and Politics*, 1916-20.
 Nashville, Tenn. Prepared by the Ward Seminary, Nashville, by Ward-Belmont College, Nashville, and by the Misses Kirk's School, Bryn Mawr, Pa.
- KELLOGG, ELIZABETH HOSMER,
Group, Economics and Politics and Philosophy and Psychology, 1917-20.
 Waterbury, Conn. Prepared by Rosemary Hall, Greenwich, Conn.
- KELLOGG, EMELINE WALCOTT, *Group, ———*, 1919-20.
 New York Mills, N. Y. Prepared by the Ethel Walker School, Simsbury, Conn.
- KELLOGG, LOIS WALCOTT, *Group, English and Italian*, 1916-20.
 Utica, N. Y. Prepared by the Balliol School, Utica, and by Miss Walker's School, Lakewood, N. J.
- KELLY, BOWER, *Group, Mathematics and Physics*, 1917-20.
 Bryn Mawr, Pa. Prepared by the Faulkner School, Chicago, Ill., and by the Misses Kirk's School, Bryn Mawr, Pa.
- KENNARD, MARGARET ALICE, . . . *Group, Chemistry and Biology*, 1918-20.
 Newton Centre, Mass. Prepared by the Winsor School, Brookline, Mass.
- KILROY, BANBAH, *Group, ———*, 1919-20.
 Springfield, Mass. Prepared by the Central High School, Springfield.

KIMBROUGH, EMILY,

Group, Economics and Politics and Philosophy, 1917-20.

Chicago, Ill. Prepared by the Faulkner School, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.

KINARD, MARGARET CATHARINE, *Group, Latin and Spanish, 1916-20.*

Lancaster, Pa. Prepared by the Shippen School for Girls, Lancaster, and by private tuition.

KINGSBURY, HELEN EMILY,

Group, English and Philosophy and Psychology, 1916-20.

Bryn Mawr, Pa. Prepared by the Walnut Hill School, Natick, Mass., by the Cambridge School for Girls, Cambridge, Mass., and by the Shipley School, Bryn Mawr, Pa.

KIRKBRIDE, MABEL STORY, *Group, English and Italian, 1918-20.*

New York City. Prepared by the Veltin School, New York City.

KIRKLAND, MARY PORTER, *Group, French and Spanish, 1917-20.*

Houston, Tex. Prepared by Miss Wood's School, Houston, and by the Shipley School, Bryn Mawr, Pa.

KIRKPATRICK, ESTHER FRASER, *Group, ———, 1919-20.*

Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdoch Kendrick Memorial Scholar, 1919-20.

KLENKE, DOROTHY AMELIA, *Group, Chemistry and Biology, 1917-20.*

New York City. Prepared by Miss Spence's School, New York City.

KNIFFEN, FLORENCE ELIZABETH,

Group, History and Economics and Politics, 1917-20.

Holly Oak, Del. Prepared by the High School, Wilmington, Del., and by the Friends' School, Wilmington.

KNOX, FLORENCE MADGE, *Group, ———, 1919-20.*

New York City. Prepared by the Ethel Walker School, Simsbury, Conn.

KNOX, FRANCES MAY, *Group, ———, 1919-20.*

Salt Lake City, Utah. Prepared by Miss Ransom and Miss Bridges' School, Piedmont, Calif., by Oaksmere, Mamaroneck, N. Y., and by Rosemary Hall, Greenwich, Conn.

KRECH, MARGARET ALWYN, . . *Group, French and History of Art, 1918-20.*

New York City. Prepared by the Brearley School, New York City.

LABEL, FRANCES, *Group, Mathematics and Physics, 1918-20.*

• Philadelphia. Prepared by the Girls' High School, West Philadelphia. Charles E. Ellis Scholar, 1918-20.

LABOITEAUX, CONSTANCE, *Group, Greek and English, 1918-20.*

Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.

LADD, MARGARET RHOADS, *Group, Greek and Psychology, 1917-20.*

Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1917-18.

LANDESMAN, HELEN, *Group, ———, 1918-20.*

Cleveland, O. Prepared by the East High School, Cleveland, and by the Harcum School, Bryn Mawr, Pa.

LATTIMER, EVA JANE,

Group, History and Economics and Politics, 1917-20.

Columbus, O. Prepared by the Columbus School for Girls.

LAUER, IDA FELICIA, *Group, English and Philosophy, 1917-20.*

Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1917-19; Special Scholar, 1919-20.

LAWRENCE, MARION, *Group, ———, 1919-20.*

Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Special Scholar, 1919-20.

- LEMON, IRENE ELIZABETH, *Group*, ———, 1919-20.
Yonkers, N. Y. Prepared by the High School, Yonkers, and by the Halsted School, Yonkers.
- LIDDELL, VINTON, *Group, Economics and Politics and Psychology*, 1918-20.
Charlotte, N. C. Prepared by the Shipley School, Bryn Mawr, Pa.
- LINDSEY, MARTHA JANE, *Group, French and Modern History*, 1916-20.
Nashville, Tenn. Prepared by the Ward Seminary, Nashville, by the Ward-Belmont School, Nashville, and by Miss Madeira's School, Washington, D. C.
- LITTELL, MARGARET, *Group, Greek and French*, 1916-20.
New York City. Prepared by Miss Treat's School, Milwaukee, Wis., by the Brearley School, New York City, and by Miss Walker's School, Lakewood, N. J.
- LITZINGER, MARIE PAULA, *Group, Latin and Mathematics*, 1916-20.
Bedford, Pa. Prepared by the High School, Bedford. James E. Rhoads Sophomore Scholar, 1917-18; First Charles S. Hinchman Memorial Scholar, 1918-19; Maria L. Eastman Brooke Hall Memorial Scholar and Anna M. Powers Memorial Scholar, 1919-20.
- LIU, FUNG KEI, *Group, Physics and Chemistry*, 1918-20.
Canton, China. Prepared by Canton Christian College and by the Shipley School, Bryn Mawr, Pa. Chinese Scholar, 1918-20.
- LONGYEAR, MARGARET, *Group*, ———, 1919-20.
Excelsior, Minn. Prepared by Stanley Hall, Minneapolis, Minn., and by Hollywood School for Girls, Hollywood, Calif.
- LUBIN, DOROTHY SOPHIE, *Group, Chemistry and Biology*, 1917-20.
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by Rosemary Hall, Greenwich, Conn.
- LUBIN, GRACE, *Group, Physics and Chemistry*, 1917-20.
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by Wykeham Rise, Washington, Conn.
- LUETKEMEYER, ELIZABETH HELEN,
Group, English and Philosophy and Psychology, 1916-20.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- MACDONALD, MARY HELEN, *Group, Mathematics and* ———, 1917-20.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion High School Scholar, 1917-18; James E. Rhoads Sophomore Scholar, 1918-19. Anna Hallowell Memorial Scholar, 1919-20.
- MACFERRAN, MABEL, *Group*, ———, 1919-20.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- MAGINNISS, IRENE EMMA,
Group, English and Italian and Spanish, 1917-20.
Philadelphia. Prepared by the High School, Upper Darby, Pa. Special Scholar, 1919-20.
- MALL, MARY LOUISE, *Group, Mathematics and Physics*, 1916-20.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Special Scholar, 1918-19.
- MARBURY, SILVINE VON DORSNER,
Group, History and Economics and Politics, 1917-20.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MARQUAND, ELEANOR,
Group, Economics and Politics and Psychology, 1915-20.
Princeton, N. J. Prepared by Miss Fine's School, Princeton. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1915-16.
- MARTIN, DOROTHY JEAN, *Group, Mathematics and* ———, 1919-20.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.
- MARTIN, FLORENCE HAMILTON, *Group*, ———, 1919-20.
San Rafael, Calif. Prepared by Miss Ransom and Miss Bridges' School, Piedmont, Calif.

- MATHEWS, ELEANOR BOWEN,.....*Group*, ———, 1919-20.
New York City. Prepared by the Brearley School, New York City.
- MATTESON, ELIZABETH,.....*Group, Chemistry and Biology*, 1917-20.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- MATTESON, FRANCES,.....*Group*, ———, 1919-20.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- MATZ, EMILY FLORENCE,
Group, Philosophy and Psychology, 1915-16, 1917, 1917-20.
Hubbard Woods, Ill. Prepared by the Girtton School, Winnetka, Ill., and by Miss Wright's School, Bryn Mawr, Pa.
- MCANENY, RUTH PUTNAM,.....*Group*, ———, 1919-20.
New York City. Prepared by the Brearley School, New York City, and by the Bremestead School, Bolton Landing, N. Y.
- MCBRIDE, DOROTHY ELIZABETH,....*Group, French and Spanish*, 1917-20.
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- MCCLENNEN, MARY,
Group, Economics and Politics and Psychology, 1917-20.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- MCDANIEL, STAR,.....*Group*, ———, 1919-20.
San Antonio, Tex. Prepared by the High School, San Antonio, and by the Shipley School, Bryn Mawr, Pa.
- MCLAUGHLIN, CLARA BRUSSTAR,
Group, Mathematics and Physics, 1919-20.
Cynwyd, Pa. Prepared by the Shipley School, Bryn Mawr, Pa.
- MEARNS, LOUISE ADELA CLARK,.....*Group*, ———, 1918-20.
New York City. Prepared by St. Agatha's School, New York City.
- MELCHER, EDITH,.....*Group, English and French*, 1919-20.
Cynwyd, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Merion High School Scholar and Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1919-20.
- MELTON, GULIELMA,.....*Group, French and Modern History*, 1918-20.
Columbia, S. C. Prepared by the College for Women, Columbia, and by the Baldwin School, Bryn Mawr, Pa.
- MENG, MABEL ANNA,..*Group, History and Economics and Politics*, 1918-20.
Philadelphia. Prepared by the Germantown High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1918-20.
- MESERVE, DOROTHY TURNER,.....*Group*, ———, 1919-20.
New York City. Prepared by the Brearley School, New York City.
- MILLAR, HARRIETTE,.....*Group, Latin and French*, 1919-20.
Philadelphia. Prepared by the Girls' High School, West Philadelphia.
- MILLER, VIRGINIA,.....*Group*, ———, 1919-20.
Winnetka, Ill. Prepared by the Girtton Upper School, Winnetka. Bryn Mawr Matriculation Scholar for the Western States, 1919-20.
- MILLS, ELIZABETH,.....*Group, French and Spanish*, 1917-20.
Buffalo, N. Y. Prepared by St. Timothy's School, Catonsville, Md.
- MILLS, ELIZABETH HOLE,
Group, History and Economics and Politics, 1917-20.
N. Tonawanda, N. Y. Prepared by the High School, N. Tonawanda, and by Sweet Briar Academy, Sweet Briar, Va.
- MILLS, LOUISE HOLE,.....*Group*, ———, 1919-20.
N. Tonawanda, N. Y. Prepared by Hopkins Hall, Burlington, Vt., and by the High School, N. Tonawanda.

- MOEBIUS, AGNES JEANNETTE, *Group, Spanish and German*, 1916-20.
Nutley, N. J. Prepared by the Seminary, Newark, N. J., by the High School, Nutley,
by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- MORRISON, MIRIAM GLADYS, . . *Group, Italian and History of Art*, 1917-20.
Marquette, Mich. Prepared by Rosemary Hall, Greenwich, Conn.
- MORSMAN, MARY, *Group, ———*, 1919-20.
Omaha, Neb. Prepared by Brownell Hall, Omaha, and by St. Timothy's School, Catons-
ville, Md.
- MORTON, MARGARET VILLIERS, . . *Group, Chemistry and Biology*, 1917-20.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Baldwin
School, Bryn Mawr, Pa.
- MOTTU, CATHARINE CHANDLEE,
Group, French and Modern History, 1917-20.
Baltimore, Md. Prepared by the Friends' School, Baltimore, and by the Bryn Mawr
School, Baltimore.
- MURRAY, HELEN IRVIN, *Group, English and ———*, 1917-20.
Binghamton, N. Y. Prepared by the Lady Jane Grey School, Binghamton, and by Rest-
haven, Mendon, Mass.
- NEEL, RAYMONDE GERTRUDE ELEONORE,
Group, Italian and History of Art, 1918-20.
Millburn, N. J. Prepared by Short Hills School, Short Hills, N. J., and by Miss Beard's
School, Orange, N. J.
- NEWBOLD, ELIZABETH MUNSON,
Group, Mathematics and Physics, 1919-20.
Philadelphia. Prepared by the High School, Asbury Park, N. J., and by the Girls' High
School, West Philadelphia. Philadelphia City Scholar, 1919-20.
- NEWELL, ELEANOR KING,
Group, History and Economics and Politics, 1917-20.
Nyon, Switzerland. Prepared by Ecole Vinet, Lausanne, Switzerland, by Milton Academy,
Milton, Mass., by St. Timothy's School, Catonsville, Md., by Miss Madeira's School,
Washington, D. C.
- NICOLL, ALICE MARY, *Group, ———*, 1918-20.
New York City. Prepared by Miss Chapin's School, New York City.
- NOBLE, MARY ANNGENETTE, *Group, French and Spanish*, 1917-20.
Westfield, Mass. Prepared by the High School, Westfield. Charles S. Hinchman
Memorial Scholar, 1919-20.
- NORCROSS, PHOEBE WRENN,
Group, Economics and Politics and ———, 1918-20.
Chicago, Ill. Prepared by the Latin School, Chicago, and by St. Timothy's School, Catons-
ville, Md.
- O'BRIEN, MIRIAM ELIOT, *Group, Mathematics and Physics*, 1916-20.
Brookline, Mass. Prepared by Miss May's School, Boston, Mass.
- ORBISON, AGNES MORRIS, *Group, Psychology and Biology*, 1918-20.
Overbrook, Pa. Prepared by Northfield Seminary, East Northfield, Mass., and by private
tuition.
- OSTROFF, PASSYA EUNIA,
Group, Economics and Politics and Philosophy and Psychology, 1917-20.
Philadelphia. Prepared by the William Penn High School, and by the Girls' High School,
Philadelphia. L. C. B. Saul Memorial Scholar, 1917-20; Thomas H. Powers Memorial
Scholar, 1918-19; Special Scholar, 1919-20.
- OUTERBRIDGE, KATHLEEN LOUISE NORTON,
Group, History and Economics and Politics, 1915-19, 1920.
New York City. Prepared by Miss Chapin's School for Girls, New York City.

- PAGE, EVELYN,.....*Group, Chemistry and Biology*, 1919-20.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- PALACHE, ELIZA JEANNETTE,.....*Group, Greek and English*, 1918-20.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, by the Cambridge School, Cambridge, and by the Winsor School, Brookline, Mass.
- PARK, VIRGINIA,.....*Group, Psychology and Physics*, 1916-20.
Atchison, Kans. Prepared by the College Preparatory School, Atchison, by the Midland Academy, Atchison, by Midland College, Atchison, and by private tuition. Special Frances Marion Simpson Scholar, 1918-19.
- PEEK, KATHERINE MARY,.....*Group, ———*, 1918-20.
Moline, Ill. Prepared by St. Katharine's School, Davenport, Ia., and by the National Cathedral School, Washington, D. C.
- PELL, ORLIE ANNA HAGGERTY,
Group, History and Economics and Politics, 1918-20.
New York City. Prepared by St. Timothy's School, Catonsville, Md.
- PEYTON, JULIA COOKE,.....*Group, Latin and French*, 1917-20.
Charles Town, W. Va. Prepared by the High School, Charles Town, and by St. Hilda's Hall, Charles Town.
- PHARO, ELIZABETH WILSON,.....*Group, ———*, 1918-20.
Haverford, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- PHILBRICK, ELIZABETH VAN VALZAH,.....*Group, ———*, 1919-20.
New York City. Prepared by the High School, Montclair, N. J., by the Brearley School, New York City, and by private tuition.
- PITKIN, DORIS ELLEN,.....*Group, English and Philosophy*, 1916-20.
New York City. Prepared by the Misses Rayson's School, New York City, and by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey, and Delaware, 1916-17.
- PLATT, MARION LOUISE,
Group, History and Economics and Politics, 1917-20.
Manitowoc, Wis. Prepared by the High School, Manitowoc, and by private tuition. University of Wisconsin, 1915-16.
- PORRITT, MARY GERTRUDE,
Group, History and Economics and Politics, 1916-20.
Hartford, Conn. Prepared by the High School, Hartford, and by Rosemary Hall, Greenwich, Conn.
- PORTER, NANCY FOSTER,.....*Group, Chemistry and Biology*, 1917-20.
Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill.
- PRATT, HARRIET BALSDON,.....*Group, ———*, 1920.
Glen Cove, N. Y. Prepared by Miss Chapin's School, New York City.
- PRENTICE, FAITH,.....*Group, ———*, 1919-20.
Wayne, Pa. Prepared by the High School, Hyde Park, Ill. Oberlin College, 1916-17; University of Chicago, 1917-18.
- PRESTON, ARLINE FEARON,.....*Group, Latin and French*, 1916-20.
Fallston, Md. Prepared by Belair Academy, Belair, Md., and by the Hannah More Academy, Reistertown, Md. Chicago Bryn Mawr Club Scholar, 1916-17; Mary Anna Longstreth Memorial Scholar, 1917-18; James E. Rhoads Junior Scholar, 1918-19; Special Scholar, 1919-20.
- PRICE, HARRIET DYER,.....*Group, ———*, 1919-20.
New York City. Prepared by Miss Chapin's School, New York City, and by St. Timothy's School, Catonsville, Md.
- RAHT, KATHARINE,.....*Group, ———*, 1919-20.
Chattanooga, Tenn. Prepared by the Girls' Preparatory School, Chattanooga, and by the Shipley School, Bryn Mawr, Pa.

- RALEY, ROSAMOND DAY,.....*Group*, ———, 1919–20.
Glens Falls, N. Y. Prepared by the High School, Glens Falls, and by private tuition.
- RAWSON, MARION,.....*Group*, ———, 1918–20.
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati, and by Wykeham Rise, Washington, Conn.
- REINHARDT, LOUISE,.....*Group, History and* ———, 1917–20.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- RHETT, CATHERINE TYLER,.....*Group*, ———, 1918–20.
Garden City, L. I., N. Y. Prepared by the Cathedral School of St. Mary, Garden City.
- RHOADS, ESTHER LOWREY,.....*Group, French and* ———, 1919–20.
Bala, Pa. Prepared by the Agnes Irwin School, Philadelphia.
- RHOADS, JR., GRACE EVANS,....*Group, English and Philosophy*, 1918–20.
Moorestown, N. J. Prepared by the Friends' Academy, Moorestown, and by Westtown School, Westtown, Pa.
- RICE, HELEN,.....*Group, Physics and* ———, 1919–20.
New York City. Prepared by Miss Chapin's School, New York City.
- RICHARDS, JANE REBECCA,.....*Group*, ———, 1919–20.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington, and by Rosemary Hall, Greenwich, Conn.
- ROBINSON, CATHERINE PALMER,....*Group, French and Spanish*, 1916–20.
Larchmont Manor, N. Y. Prepared by the Larchmont School, Larchmont Manor, and by the Brearley School, New York City.
- ROGERS, DOROTHY LOIS,.....*Group, English and Philosophy*, 1916–20.
Chicago, Ill. Prepared by the University High School, Chicago, and by the Baldwin School, Bryn Mawr, Pa.
- ROGERS, EVELYN,.....*Group, Chemistry and Biology*, 1918–20.
New York City. Prepared by the Brearley School, New York City.
- ROOD, ALICE QUAN,
Group, History and Economics and Politics, 1916–20.
Evanston, Ill. Prepared by the Girton School, Winnetka, Ill. Northwestern University, 1915–16.
- ROSE, AGNES MILNE,.....*Group, Mathematics and Physics*, 1916–20.
Narberth, Pa. Prepared by the High School, Narberth.
- RÜBEL, HELEN FRANCES,....*Group, Philosophy and Psychology*, 1917–20.
New York City. Prepared by the Brearley School, New York City, and by private tuition.
- RUPERT, ANNA SWIFT,.....*Group, French and* ———, 1918–20.
Marshallton, Del. Prepared by the Misses Hebb's School, Wilmington, Del.
- SANFORD, ANNA MUNSON,.....*Group, English and Philosophy*, 1916–20.
Honey Brook, Pa. Prepared by Hannah More Academy, Reistertown, Md., and by private tuition. Chicago Bryn Mawr Club Scholar, 1917–18, and Frances Marion Simpson Scholar, 1916–20.
- SCHWARZ, JOANNA MILDRED,.....*Group*, ———, 1919–20.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- SCOTT, ELIZABETH CLUETT,.....*Group*, ———, 1920.
Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill., by the Ethel Walker School, Simsbury, Conn., and by private tuition.
- SCOTT, MARY,.....*Group, History and Economics and Politics*, 1915–20.
Philadelphia. Prepared by the Girls' High School, West Philadelphia.
- SCRIBNER, HARRIET MARIE,.....*Group, English and French*, 1919–20.
Cornwall-on-Hudson, N. Y. Prepared by the Brearley School, New York City.

- SELIGMAN, FRIEDA, *Group*, ———, 1919–20.
Louisville, Ky. Prepared by the High School, Louisville, by the Louisville Collegiate School, and by the Girton School, Winnetka, Ill.
- SHEBLE*, ANN ELIZABETH, *Group*, ———, 1919–20.
Philadelphia. Prepared by Miss Mills's School, Mt. Airy, and by the Friends' School, Germantown, Philadelphia.
- SHEPPARD, EUGENIA BENBOW, *Group, French and* ———, 1917–20.
Columbus, O. Prepared by the Columbus School for Girls. Bryn Mawr Matriculation Scholar for the Western States, 1917–18.
- SHERMAN, HELENA, *Group, Mathematics and* ———, 1919–20.
Bisbee, Ariz. Prepared by St. Nicholas School, Seattle, Wash.
- SHOEMAKER, ELEANOR HOOVEN,
..... *Group, Economics and Politics and Psychology*, 1917–20.
Norristown, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- SHUMWAY, ADELAIDE KATHERINE, .. *Group, English and French*, 1919–20.
Bryn Mawr, Pa. Prepared by Miss Wright's School, Bryn Mawr. Frances Marion Simpson Scholar, 1919–20.
- SKINNER, CORNELIA OTIS, *Group, English and French*, 1918–20.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.
- SLOAN, LOUISE LITTIG, *Group, Mathematics and Physics*, 1916–20.
Lutherville, Md. Prepared by the Bryn Mawr School, Baltimore, Md. Second Bryn Mawr School Scholar, 1916–17.
- SMITH, ALICE POWELL, *Group*, ———, 1919–20.
Stamford, Conn. Prepared by the Low and Heywood School, Stamford, and by the Baldwin School, Bryn Mawr, Pa.
- SMITH, DOROTHY WONDERLY, *Group, French and Modern History*, 1916–20.
Grand Rapids, Mich. Prepared by Miss Charlotte Moffitt's School, Grand Rapids, by the High School, Grand Rapids, by Miss Madeira's School, Washington, D. C., and by private tuition.
- SMITH, MABEL WILES, *Group, Greek and Psychology*, 1917–20.
Westfield, Mass. Prepared by the High School, Westfield, and by the Baldwin School, Bryn Mawr, Pa.
- SMITH, PRUE DURANT,
..... *Group, Economics and Politics and Psychology*, 1918–20.
Brooklyn, N. Y. Prepared by the Packer Collegiate Institute, Brooklyn, and by the Mary C. Wheeler School, Providence, R. I.
- SPEER, MARGARET BAILEY,
..... *Group, Economics and Politics and* ———, 1918–20.
Englewood, N. J. Prepared by the Dwight School for Girls, Englewood, and by Abbot Academy, Andover, Mass.
- SPINELLI, BEATRICE NORAH, *Group, Latin and English*, 1917–20.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia Girls' High School Trustees' Scholar, 1917–20; James E. Rhoads Sophomore Scholar, 1918–19; James E. Rhoads Junior Scholar, 1919–20.
- SPURNEY, JEAN, *Group, French and Modern History*, 1917–20.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- STEVENS, EDITH, *Group, French and Modern History*, 1916–20.
Lowell, Mass. Prepared by Rogers Hall, Lowell.
- STEVENS, HARRIET LYMAN, ... *Group, Italian and History of Art*, 1918–20.
Lowell, Mass. Prepared by Rogers Hall, Lowell.

* Died, March 3, 1920.

- STEVENSON, EMILY DOROTHY,
Group, History and Economics and Politics, 1918-20.
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar,
 1919-20.
- STEWART, FRANCES DOROTHY, *Group, Greek and English, 1919-20.*
 New York City. Prepared by the Brearley School, New York City.
- STILES, KATHERINE, *Group, Spanish and History, 1918-20.*
 Fitchburg, Mass. Prepared by the Public Schools, Fitchburg, and by Wykeham Rise,
 Washington, Conn.
- STONE, HELEN HARRIETTE McCALMONT,
Group, Physics and Chemistry, 1917-20.
 Kalamazoo, Mich. Prepared by the Girton School, Winnetka, Ill., and by the Shipley
 School, Bryn Mawr, Pa.
- STRAUSS, KATHARINE LORD, *Group, ———, 1919-20.*
 New York City. Prepared by the Brearley School, New York City.
- TAYLOR, ANN RICHARDS, *Group, Physics and Chemistry, 1917-20.*
 Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- TAYLOR, ELIZABETH PREWITT,
Group, History and Economics and Politics, 1917-20.
 Little Rock, Ark. Prepared by the High School, Little Rock, and by Miss Wright's School,
 Bryn Mawr, Pa.
- TAYLOR, MARGARET WOOD,
Group, Modern History and Economics and Politics, 1917-20.
 Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- THOMAS, KATHARINE COOPER, *Group, Latin and Spanish, 1916-20.*
 Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- THOMAS, SARA HUYETT, *Group, ———, 1919-20.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Special Scholar, 1919-20.
- THOMPSON, MARIA LLOYD, *Group, Latin and Spanish, 1917-20.*
 Norfolk, Va. Prepared by the Maury High School, Norfolk, and by the Misses Kirk's
 School, Bryn Mawr, Pa.
- THURLOW, SYLVA, *Group, Chemistry and Biology, 1918-20.*
 Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia City
 Scholar, 1918-20.
- TITCOMB, ELIZABETH, *Group, Physics and Chemistry, 1918-20.*
 Albany, N. Y. Prepared by Lyndon Institute, Lyndon Centre, Vt., and by the Baldwin
 School, Bryn Mawr, Pa.
- TOWNSEND, KATHARINE WENDELL, . . *Group, English and Italian, 1916-20.*
 Boston, Mass. Prepared by the Winsor School, Boston.
- TROTTER, GRACE, . . . *Group, History and Economics and Politics, 1917-20.*
 Lookout Mountain, Tenn. Prepared by the Girls' Preparatory School, Chattanooga,
 Tenn.
- TUCKER, MARTHA ELIZABETH RANDOLPH, *Group, ———, 1918-20.*
 New York City. Prepared by Institute Tisné, New York City, and by private tuition.
- TYLER, KATHARINE DOUGLAS,
Group, History and Economics and Politics, 1915-20.
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- TYLER, MARGARET, *Group, ———, 1918-20.*
 Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia,
 and by Springside, Chestnut Hill.

TYNAN, ANNE HOPWOOD,

Hearer by Courtesy in English, Economics and Politics, 1919-20.

London, England. Prepared by Old Trafford High School, Manchester, England.

UCHIDA, FUMI, . . . *Group, English and Philosophy and Psychology, 1916-20.*

Haverford, Pa. Prepared by Kobe College, Kobe, Japan, and by the Misses Kirk's School, Bryn Mawr, Pa. Japanese Scholar, 1916-20.

VINCENT, ELIZABETH, *Group, ———, 1919-20.*

New York City. Prepared by Northrop Collegiate School, Minneapolis, Minn., and by Rosemary Hall, Greenwich, Conn.

VON HOFSTEN, FRANCES LOUISE, *Group, Latin and English, 1916-20.*

Winnetka, Ill. Prepared by the Girton School, Winnetka. Special Scholar, 1918-19; Thomas H. Powers Memorial Scholar, 1919-20.

VON HOFSTEN, MARY LOUISE, *Group, History and ———, 1919-20.*

Winnetka, Ill. Prepared by the Girton School, Winnetka.

VOORHEES, MILDRED ALICE, *Group, ———, 1918-20.*

New York City. Prepared by the Brearley School, New York City.

WALKER, KATHARINE,

Group, Economics and Politics and Psychology, 1917-20.

Brookline, Mass. Prepared by Miss Winsor's School, Longwood, Mass., by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.

WARBURG, BETTINA, *Group, Psychology and Biology, 1917-20.*

Washington, D. C. Prepared by the Brearley School, New York City, and by Miss Madeira's School, Washington, D. C.

WARD, JULIA, *Group, ———, 1919-20.*

Washington, D. C. Prepared by Miss Madeira's School, Washington.

WARD, KATHARINE LOUISE, *Group, Greek and English, 1917-20.*

Washington, D. C. Prepared by Miss Madeira's School, Washington, D. C.

WARD, LAURA LYON, *Group, English and French, 1917-20.*

Fortress Monroe, Va. Prepared by the Misses Kirk's School, Bryn Mawr, Pa. Virginia College, Roanoke, Va., 1916-17.

WARDER, AMA JUNE, *Group, English and French, 1918-20.*

Philadelphia. Prepared by the Germantown Friends' School, Philadelphia.

WARREN, MARJORIE, *Group, French and Spanish, 1917-20.*

Harvard, Mass. Prepared by St. Leonard's School, St. Andrews, Scotland.

WASHBURN, SIDNEY, *Group, ———, 1917-20.*

Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis.

WATRISS, MARTHA,

Group, History and Economics and Politics, 1915-17, 1919-20.

New York City. Prepared by Rosemary Hall, Greenwich, Conn.

WEAVER, BETTY M., . . . *Group, Latin and Classical Archaeology, 1916-20.*

Clearfield, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition. Frances Marion Simpson Scholar, 1916-20.

WEHR, MARGARET ELIZABETH, *Group, ———, 1919-20.*

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

WELLS, DOROTHY JANE, . . . *Group, French and History of Art, 1918-20.*

Bethlehem, Pa. Prepared by Dana Hall, Wellesley, Mass., and by the Misses Kirk's School, Bryn Mawr, Pa.

WEST, ELINOR, . . . *Group, Economics and Politics and Psychology, 1917-20.*

Wynnewood, Pa. Prepared by the Shipley School, Bryn Mawr, Pa., and by Miss Ethel Walker's School, Lakewood, N. J.

- WESTON, AILEEN, . . . *Group, History and Economics and Politics*, 1917-20.
New York City. Prepared by Miss Chapin's School, New York City, and by Rosemary Hall, Greenwich, Conn.
- WHEELER, ELINOR DAVENPORT, . . . *Group*, ———, 1919-20.
Washington, D. C. Prepared by the Misses Eastman, Washington, and by the Baldwin School, Bryn Mawr, Pa.
- WHITTIER, ALICE AUGUSTA SKOLFIELD,
Group, Chemistry and Biology, 1917-20.
Brunswick, Me. Prepared by the High School, Brunswick.
- WHITTIER, ISABEL MARY SKOLFIELD,
Group, History and Economics and Politics, 1915-16, 1917, 1917-20.
Brunswick, Me. Prepared by the High School, Brunswick.
- WIESMAN, MARGARET ISOBEL,
Group, Economics and Politics and Psychology, 1917-20.
Clinton, Mass. Prepared by the High School, Clinton, and by private tuition.
- WILCOX, MARIE FARNSWORTH, . . *Group, Psychology and* ———, 1918-20.
Englewood, N. J. Prepared by the Dwight School, Englewood, and by the Bennett School, Millbrook, N. Y.
- WILLIAMS, ELIZABETH, . . . *Group*, ———, 1918-20.
Wilkes Barre, Pa. Prepared by Wilkes Barre Institute.
- WILLIAMS, THELMA GILLETTE,
Group, Economics and Politics and Psychology, 1917-20.
Olean, N. Y. Prepared by the High School, Olean, and by the Baldwin School, Bryn Mawr, Pa.
- WILSON, HELEN VAN PELT, . . . *Group*, ———, 1919-20.
Moorestown, N. J. Prepared by the Shipley School, Bryn Mawr, Pa.
- WILSON, LOUISE, . . *Group, Economics and Politics and Psychology*, 1917-20.
Westmont, P. Q., Canada. Prepared by Trafalgar Institute, Montreal, and by the Baldwin School, Bryn Mawr, Pa. Royal Victoria College for Women, McGill University, 1915-16.
- WOODRUFF, ALICE HUTCHINSON, . . . *Group*, ———, 1918-20.
Scranton, Pa. Prepared by the Central High School, Scranton.
- WOODWARD, KATHARINE FOX, . . . *Group, Chemistry and Biology*, 1917-20.
Worcester, Mass. Prepared by the Classical High School, Worcester, by the Friends' School, Washington, D. C., and by the Winsor School, Longwood, Mass.
- WORCESTER, BLANDINA VAN ANTWERP,
Group, Philosophy and Psychology, 1919-20.
Boston, Mass. Prepared by the Winsor School, Longwood, Mass.
- WORCESTER, WINIFRED KIRKHAM,
Group, French and Modern History, 1917-20.
New York City. Prepared by the Brearley School, New York City.
- WRIGHT, JULIA CABLE, . . . *Group, English and* ———, 1918-20.
New Milford, Conn. Prepared by the High School, New Milford, and by Wykeham Rise, Washington, Conn.
- WURLITZER, VALESKA HELEN,
Group, History and Economics and Politics, 1918-20.
Cincinnati, O. Prepared by Oakhurst, Cincinnati.
- WYCKOFF, DOROTHY, . . . *Group, Greek and Latin*, 1917-20.
Norwich, Conn. Prepared by the Norwich Free Academy. Bryn Mawr Matriculation Scholar for the New England States, 1917-18, and Frances Marion Simpson Scholar, 1917-20.
- WYCKOFF, LILLIAN, . . . *Group*, ———, 1918-20.
Norwich, Conn. Prepared by the Norwich Free Academy. Bryn Mawr Matriculation Scholar for the New England States and Special Frances Marion Simpson Scholar, 1918-19; James E. Rhoads Sophomore Scholar, 1919-20.

YARNALL, ANNA SOPHIA,.....*Group*, ———, 1919-20.
Devon, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

YEATMAN, JANE BELL,
Group, History and Economics and Politics, 1918-19, 1920.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Shipley School, Bryn Mawr, Pa.

YOUNG, FRANCES KEMPER,.....*Group*, ———, 1919-20.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1919-20.

ZILKER, BIRDIE BOLEYN,.....*Group, French and Spanish*, 1916-20.
San Antonio, Tex. Prepared by the Mulholland School, San Antonio, and by the Shipley School, Bryn Mawr, Pa.

ZINSSER, HELEN MARIE MOHR,
Group, History and Economics and Politics, 1916-20.
New York City. Prepared by Miss Spence's School, New York City.

SUMMARY OF STUDENTS.

Class of 1920,.....	73	
Class of 1921,.....	101	
Class of 1922,.....	88	
Class of 1923,.....	102	
Class of 1924,.....	4	
Hearers,.....	1	
		— 369
Resident Fellows,.....	15	
Graduates,.....	80	
		— 95
Total,.....		464

BRYN MAWR COLLEGE.

BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

*Introductory
Statement.*

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate
Students.*

their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

*Fellows
and
Scholars.*

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European travelling fellowships, nineteen resident fellowships and thirty-nine graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 214 to 219.

*Under-
graduate
Students.*

Undergraduate students must have fulfilled the requirements for matriculation, stated on pages 163-187, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 188-197.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers.

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree.

* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2. Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The
Group
System.*

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English (two years), philosophy and science, are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required year in science permits the student of chemistry and biology to pursue an advanced course in one of these branches, or to take a minor course in physics; and gives for one year at least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy and psychology is a general introduction into the study of the laws, conditions, and history of thought.

*Required
Courses.*

*Post-Major
Courses.*

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

*Free Elective
Courses.*

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

*Courses
of
Study.*

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, French, Italian, Spanish, German, Modern History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit and comparative Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, Modern and Old French, Italian, Spanish, and other Romance Languages, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Social Economy and Social Research, Philosophy, Psychology, Education, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Paleontology, Morphology, and Physiology.

*Courses in
Language
and
Literature.*

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature.

Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

The undergraduate and graduate courses offered in the years 1919-20 and 1920-21 are as follows: *Courses of Instruction.*

Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Horace Wetherill Wright, Miss Abby Kirk, and Dr. Mary Hamilton Swindler.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Comparative Philology.

GRADUATE COURSES.

Comparative Philology and Philological Seminary.

Graduate Courses.

Two hours a week throughout the year.

Students entering this Seminary are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of

the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology. The courses in Elementary and Second Year Sanskrit will not in general be offered in the same year.

Seminary in Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright,* Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-eight hours of lectures and recitations a week apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; two hours a week of free elective; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

Matriculation Course.

A course of five hours a week throughout the year is provided for those students that wish to study Greek and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wilmer Cave Wright.

* Granted leave of absence for the year 1920-21. The courses announced by Professor Wilmer Cave Wright for the year 1920-21 will be given by an instructor whose appointment will be announced later.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Plato, *Apology* and *Crito* or *Protagoras* or *Phædo*, and Greek Prose Composition, Dr. Sanders. *Two hours a week.*

Major Course.

Sophocles, *Antigone*, Dr. Sanders. *One hour a week.*

Homer, *Odyssey*, Dr. Wilmer Cave Wright.* *Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the course in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders.

Two hours a week.

Herodotus, Dr. Sanders.

One hour a week.

Homer, *Iliad*, Dr. Wilmer Cave Wright.*

Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

SECOND YEAR.

1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Aristophanes, Dr. Sanders.

One hour a week.

History of Greek Literature, Ionio-Dorian and Attic periods, Dr. Wilmer Cave Wright.*

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

Private reading: Æschylus, *Prometheus Vinculus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vinculus*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

* See footnote, page 54.

2nd Semester.

Thucydides, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Sophocles, Dr. Sanders.

One hour a week.

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wilmer Cave Wright.*

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: *Æschylus, Persæ*, ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; *Æschylus, Prometheus Vincetus*, ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.*Group: Greek with any language, or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Ancient History, or with Classical Archæology, or with Mathematics.*

FREE ELECTIVE COURSES.

Greek Religion and Greek Myths, Dr. Wilmer Cave Wright.*

*Two hours a week during the first semester.**(Given in 1919-20 and again in 1921-22.)*

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths. This course may be offered as part of the minor course in Ancient History or as part of the minor course in Classical Archæology.

Literary Geography of Greece and Asia Minor, Dr. Wilmer Cave Wright.*

*Two hours a week during the second semester.**(Given in 1919-20 and again in 1921-22.)*

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history. It may be offered as part of the minor course in Ancient History or as part of the minor course in Classical Archæology.

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Classical Archæology. See pages 121 to 122.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the equivalent of the minor and major courses in Greek is admitted to any post-major course in Greek.

* See footnote, page 54.

**Free
Elective
Courses.****Post-
Major
Courses.**

In 1919-20 the following post-major courses are offered:

1st Semester.

Minor Orations of the Attic Orators, Dr. Sanders.	<i>Two hours a week.</i>
Sophocles, <i>Œdipus Coloneus</i> , Dr. Sanders.	<i>One hour a week.</i>
Melic Poets, Dr. Wilmer Cave Wright.	<i>Two hours a week.</i>

2nd Semester.

Æschylus, <i>Agamemnon</i> , Dr. Sanders.	<i>Two hours a week.</i>
Greek Prose Composition and the Evolution of Style, Dr. Sanders.	<i>One hour a week.</i>
Plato, <i>Republic</i> , Dr. Wilmer Cave Wright.	<i>Two hours a week.</i>

In 1920-21 the following post-major courses are offered:

1st Semester.

Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> , Dr. Sanders.	<i>Two hours a week.</i>
Herodotus, Dr. Sanders.	<i>One hour a week.</i>
Theocritus, Dr. Wilmer Cave Wright.*	<i>Two hours a week.</i>

2nd Semester.

Greek Rhetoricians and Prose Composition, Dr. Sanders.	<i>One hour a week.</i>
Bacchylides, Dr. Sanders.	<i>One hour a week.</i>
Euripides, <i>Bacchæ</i> , Dr. Sanders.	<i>One hour a week.</i>
Æschylus, <i>Septem</i> , or Lucian, Dr. Wilmer Cave Wright.*	<i>Two hours a week.</i>

In 1921-22 the following post-major courses are offered:

1st Semester.

Æschylus, <i>Oresteia</i> , Dr. Sanders.	<i>Two hours a week.</i>
Fourth Century Critics, Dr. Sanders.	<i>One hour a week.</i>
Palatine Anthology, Dr. Wilmer Cave Wright.	<i>Two hours a week.</i>

2nd Semester.

Pindar, Dr. Sanders.	<i>Two hours a week.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> , Dr. Sanders.	<i>One hour a week.</i>
Sophocles, <i>Ajax</i> , Dr. Wilmer Cave Wright.	<i>Two hours a week.</i>

GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for

Graduate Courses.

* See footnote, page 54.

the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see pages 122 to 123.

Greek Seminary, Dr. Sanders.

Three hours a week throughout the year.

(Given in each year.)

In 1919-20 Greek historians are the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1920-21 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism will be devoted to Sophocles. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1921-22 Greek Orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators.

Greek Seminary, Dr. Wilmer Cave Wright.*

Two hours a week throughout the year.

(Given in each year.)

In 1919-20 Aristophanes is the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structures of the plays and on the history of Attic comedy. Part of the work consists of analyses of dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1920-21 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theatetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiariz-

* See footnote, page 54.

ing the students with the achievements of scholarship and the general field of Platonic literature up to the present day. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1921-22 the Homeric Question will be the subject of the seminary; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticized in detail.

Greek Journal Club, Dr. Sanders and Dr. Wilmer Cave Wright.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Horace Wetherill Wright, Associate in Latin, and Dr. Mary Hamilton Swindler, Instructor in Latin and Classical Archæology. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

FIRST YEAR.

(Minor Course).*

1st Semester.

(Given in each year.)

Cicero, *Letters*, Dr. Wheeler and Dr. Swindler.

Three hours a week

The class is divided into two sections, one of which is assigned to each instructor.

**Major
Course.**

Horace, *Odes*, Dr. Horace Wetherill Wright and Dr. Swindler.

Two hours a week.

(May be taken as a free elective.)

The class is divided into two sections, one of which is assigned to each instructor.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five-hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three-hour course in Cicero only read one half of Livy I (selections) in each semester. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

* For regulations regarding the passing off of the Minor Latin, see footnote, pages 172-173. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

2nd Semester.

Terence, *Phormio*, *Adelphoe*, and *Andria*, Dr. Wheeler and Dr. Swindler. *Three hours a week.*

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Horace Wetherill Wright and Dr. Swindler. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Livy I (selections) must be read by students taking the five-hour course. Livy I (selections) (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

SECOND YEAR.

1st Semester.

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.

Three hours a week.

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

Lectures on Latin Literature, Dr. Horace Wetherill Wright.

Two hours a week.

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Suetonius, *Tiberius* must be read by students taking the five-hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Suetonius, *Tiberius* (first half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

2nd Semester.

Latin Comedy, Plautus, Dr. Wheeler.

Three hours a week.

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Four or five plays are read in class.

Lectures on Latin Literature (continued), Dr. Horace Wetherill Wright.

Two hours a week.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five-hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy;

Suetonius, *Tiberius* (second half) must be read by students taking the course in Latin Literature, only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

Group: Latin with any language, or with Philosophy, or with Classical Archæology, or with Ancient History, or with Mathematics.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

Post-Major Courses.

In 1919-20 and again in 1921-22 the following post-major courses are offered:

1st Semester.

Roman Satire, Dr. Wheeler.

Two hours a week.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

Lucretius and Catullus, Dr. Horace Wetherill Wright. *Three hours a week.*

Selections from the *De Rerum Natura* and from the Lyrics of Catullus are read.

Latin Prose Composition, Dr. Horace Wetherill Wright. *Two hours a week.*

2nd Semester.

Roman Satire (continued), Dr. Wheeler.

Two hours a week.

Cicero and Cæsar, Dr. Horace Wetherill Wright.

Three hours a week.

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Latin Prose Composition (continued), Dr. Horace Wetherill Wright.

Two hours a week.

In 1920-21 and again in 1922-23 the following post-major courses are offered:

1st Semester.

Roman Elegy, Dr. Wheeler.

Two hours a week.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Horace Wetherill Wright.

Three hours a week.

The larger part of the *Æneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Horace Wetherill Wright. *Two hours a week.*

This course is specially recommended to students who intend to teach Latin. It meets one hour a week, the remaining hour being given to interviews and individual work.

2nd Semester.

Roman Elegy (continued), Dr. Wheeler. *Two hours a week.*

Roman Prose of the Empire, Dr. Horace Wetherill Wright.

Three hours a week.

Selections from Livy, Petronius, Suetonius, Apuleius and Minucius Felix are read.

Latin Prose Composition (continued), Dr. Horace Wetherill Wright.

Two hours a week.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to seven hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Lyric Poetry, Elegy, and Comedy, and Roman Religion, Latin Epigraphy and Roman Epic Poetry. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminaries and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

Three hours a week throughout the year.

(Given in each year.)

In 1919-20 Roman Lyric in the Period of the Republic is the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904,) edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1920-21 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarize themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New

York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1921-22 Latin Comedy will be the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoediae*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

Latin Seminary, Dr. Horace Wetherill Wright.

Two hours a week throughout the year.

(Given in each year.)

In 1919-20 Roman Religion from prehistoric times through the reign of Augustus is studied. After introductory lectures with assigned reading, which survey the development of Roman religious life and thought, the students are required to present frequent reports on individual cults and priesthoods, basing their work on the original sources and the investigations of leading modern scholars in the field.

In 1920-21 the work of the seminary during the first semester will be Latin Epigraphy. The major portion of the course will be devoted to a study of the *Corpus Inscriptionum*. The questions assigned for investigation will deal mainly with Roman political institutions, public and private life, and religion.

In the second semester the Topography of Rome will be studied. There will be illustrated lectures and the students will present frequent reports based on a detailed investigation of the discoveries affecting individual sites. Special emphasis will be laid upon sites prominent in the religious history of the city.

In 1921-22 the work will consist of a study of Roman Epic.

Latin Journal Club, Dr. Wheeler and Dr. Horace Wetherill Wright.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Jean Baptiste Beck, Dr. Howard James Savage, Mr. Samuel Arthur King, Dr. Agnes Rutherford Riddell, Miss Marcelle Pardé, Dr. Eduard Prokosch, Dr. Mary Agnes Quimby, Miss Carolina Marcial Dorado, Dr. Esther Parker Ellinger, Miss Mary Sinclair Crawford, Miss Helen Walkley Irvin, Miss Gertrude Marshall Geer, Miss Dorothy McSparran, and Miss Agnes Murray Macfadzean.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Regina Katharine

Crandall, Professor of English Composition, Dr. Samuel Claggett Chew, Associate Professor of English Literature, Dr. Howard James Savage, Associate Professor of Rhetoric and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Eduard Prokosch, Lecturer in German and Anglo-Saxon, and Dr. Esther Parker Ellinger, Miss Helen Walkley Irvin, Miss Gertrude Marshall Geer, and Miss Dorothy McSparran, Instructors in English, and Miss Agnes Murray Macfadzean, Reader in English.

The instruction offered in English covers forty-three hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with philosophy, or with philosophy and psychology, or as a free elective; eight hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Composition, Anglo-Saxon, and Early and Middle English.

***Required
Course.***

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition, though not connected with the lectures on literature and language, may not be elected separately. The courses are required to be taken in the order given below. The first year course must be completed before the second year course is taken and English Composition, Part I, must precede the first year lectures on the History of English Literature. The second year course in History of English Literature must precede the course in English Composition, Part II.

FIRST YEAR.

1st Semester.

(Given in each year.)

General English Composition, Part I, Dr. Savage, Dr. Ellinger, Miss Irvin, Miss Geer.

Four hours a week.

For the most part, the course is concerned with a rapid survey of the elements of usage and discourse, and with the study of exposition, argument, and allied topics and forms.

Some attention will be paid to oral composition. The written work consists of papers both short and long and various exercises. Conferences between instructor and student form an important part of the work. Much stress is laid upon illustrative reading. The class meets once, and sometimes twice, a week; the divisions meet regularly twice each week.

The Principles of Articulation, Mr. King.

One hour a fortnight.

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

2nd Semester.

Lectures on the History of English Literature, Miss Donnelly.

Five hours a week.

Beginning with a history of the English language and Anglo-Saxon literature, the lectures give a brief introduction to the study of early Teutonic literature and mythology. The history of English literature to the death of Spenser and of mediæval literature, occupies the second half of the course.

The Principles of Articulation (continued), Mr. King. *One hour a fortnight.*

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on the History of English Literature from the death of Spenser to the present time, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly. *Five hours a week.*

The Sonant Properties of Speech, Mr. King.

One hour a fortnight.

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

2nd Semester.

General English Composition, Part II, Dr. Savage, Dr. Ellinger, Miss Irvin, Miss McSparran.

Four hours a week.

In this course the work of the first year is continued with reference to biography, description, narration, and allied forms and topics. The arrangements as to papers, reading, conferences, class meetings, and similar matters are like those for the first year.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses. Any of the courses, except the courses in English Drama, in English Fiction in the nineteenth century, in English Literature from Dryden to Johnson, in English Literature from Bacon to Milton, and the courses in Shakespeare and in Middle English Poetry, and Chaucer, may be taken separately as free electives by students that have completed the required course. All students taking a major course in English must take one course in language, and those students who wish to specialise in language must take at least one course in literature.

**Major
Course.**

FIRST YEAR.

1st Semester.

Minor Course. (*Literature.*)

English Critics of the Nineteenth Century, Dr. Chew. *Five hours a week.*

(*Given in each year.*)

Carlyle, Ruskin, Huxley, Arnold, Pater, and Morley and, if time allows, two or three other writers, are studied with regard to their theories of criticism and their influence upon the thought of their time. A report is required from each student attending this course.

2nd Semester.

English Romantic Poets, Miss Donnelly.

Five hours a week.

(*Given in 1919-20 and again in 1921-22.*)

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, and Keats. Their works are discussed in class in connection with questions of poetics and literary theory and reports are required from students attending the course.

English Poetry, 1850-1914, Dr. Chew.

Five hours a week.

(*Given in 1920-21 and again in 1922-23.*)

A rapid review of the progress of poetry during the first half of the nineteenth century is followed by more detailed study of the poets of the later period.

1st Semester.

Language.

Anglo-Saxon Prose and Beowulf.*

Five hours a week.

(*Given in 1920-21 and again in 1922-23.*)

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Wyatt and Chambers's text) and the first two-thirds of the poem is read with the class. This course was given by Dr. Prokosch in the second semester in 1919-20.

2nd Semester.

Middle English Poetry and Chaucer.*

Five hours a week.

(*Given in 1921-22 and again in 1923-24.*)

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Lectures are given on the development of the language and literature during the period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

SECOND YEAR.

1st Semester.

Literature.

The Elizabethan and Jacobean Drama, Dr. Chew.

Five hours a week.

(*Given in each year.*)

A large number of plays by the dramatists from Lyly and Marlowe to Ford and Shirley are read. The lectures deal in part with aspects of contemporary life as reflected in the drama.

* This course will be given by an instructor whose appointment will be announced later.

2nd Semester.

English Literature from Dryden to Johnson, Dr. Chew. *Five hours a week.*

(Given in 1919-20 and again in 1921-22.)

The poets from Butler to Thomson; the philosophers from Hobbes to Hume; the novel from Defoe to Fielding; the beginning of English historical writing, and the essayists, are the chief subjects studied in this course.

English Fiction in the Nineteenth Century, Dr. Savage. *Five hours a week.*

(Given in 1920-21 and again in 1922-23.)

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

1st Semester.

Languages.

Middle English Romances.*

Five hours a week.

(Given in 1921-22 and again in 1923-24.)

Selected romances in Middle English are read by the members of the class. The lectures deal with the development of Romance literature in Europe with special reference to the romances of the Arthurian cycle, and the discussion includes a review of the development of mediæval themes in later periods.

2nd Semester.

Shakespeare.*

Five hours a week.

(Given in 1920-21 and again in 1922-23.)

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work. The plays usually chosen are: *King Lear*, *Henry IV*, Part I, *Hamlet*, *Romeo and Juliet*, and *The Tempest*. Some of the more general problems connected with these plays are discussed in introductory lectures and various topics are taken up such as the principles of tragedy and comedy, the use of allegory and the development of Shakesperian criticism.

Group: English with any language, or English with Philosophy, or English with Philosophy and Psychology.

FREE ELECTIVE COURSES.

The Technique of the Drama, Dr. Savage. *Two hours a week throughout the year.*

(Given in 1919-20 and again in 1921-22.)

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the making of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

Materials and Methods of Teaching Composition, Dr. Savage.

Two hours a week during the second semester.

(Given in 1921-22 and again in 1923-24.)

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

**Free
Elective
Courses.**

* This course will be given by an instructor whose appointment will be announced later.

Daily Themes, Dr. Crandall.*Two hours a week during the first semester.**(Given in 1919-20 and again in 1921-22.)*

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Criticism, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

The course includes a study of the principles of criticism and the writing of critical expositions, the essay, and kindred forms. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Argumentation, Dr. Crandall.*Two hours a week throughout the year.**(Given in each year.)*

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

The Short Story, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

The course deals with various forms of narrative, more especially the short story, and includes a study of the work of representative authors, both English and French. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Versification, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

The course is not historical but theoretical and practical. Students are required to write short exercises in verse every week. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Reading of Shakespeare, Mr. King.*One hour a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

General Reading of Prose Authors, Mr. King.*One hour a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.

GRADUATE COURSES.**Graduate Courses.**

There are offered each year distinct graduate seminaries and courses in English literature and in English language, and these seminaries and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years.

The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Miss Donnelly will offer in each year special assignments of reading and reports for foreign students who have come intending to study American literature and to prepare for examinations in it abroad.

No undergraduates are admitted to graduate courses.

Seminary in English Literature, Miss Donnelly.

Two hours a week throughout the year.

(Given in alternate years.)

In 1920-21 the Romantic Poets will be the subject of the seminary. Special attention will be paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent will be discussed.

In 1922-23 Donne and Milton will be the subject of the seminary. They will be studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

In 1924-25 Eighteenth Century Prose will be the subject of the seminary. Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

Seminary in English Literature, Dr. Chew.

Three hours a week throughout the year

(Given in each year.)

In 1919-20 the attention of the seminary is divided equally between the plays of Massinger and Webster, and certain aspects of literature during the latter half of the Victorian Period.

In 1920-21 the plays of Jonson, Middleton, Dekker, and Thomas Heywood will be studied.

In 1921-22 the subject of the seminary will be the poetry and prose of Wordsworth and the novel of the Romantic Period.

Seminary in English Composition, Dr. Crandall.

Two hours a week throughout the year.

The chief business of the seminary is the discussion and criticism of the students' own writing. Its aim is to make familiar and apply the principles and standards of criticism that have developed with the development of literature; the subject of study in each year is adapted to the purpose and interests of the students.

In 1919-20 the subject of the seminary is historical writing and includes a study of the manner of Gibbon, J. R. Green, Motley, Parkman and other historians.

In 1920-21 modern fiction, English, French and Russian, will be the subject of the seminary.

In 1921-22 the seminary will study the manner of writers of biography and memoirs, among others Boswell, Lord Morley, and Henry Adams.

Seminary in Middle English.*

Three hours a week throughout the year.

(Given in each year.)

In 1920-21 the seminary will study *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1921-22 the Beginnings of English Drama will be the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles is studied. In considering the morality plays their connection with mediæval allegories, debates, and didactic treatises is specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1922-23 Middle English Romances will be the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, Arthurian cycle, romances of Germanic origin, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

Beowulf.*

Two hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

This course begins with a careful textual study of the Beowulf. After discussing the problems of editing, a general survey of Beowulf criticism is presented including theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar, Dr. Prokosch.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1920-21.)

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English. The students will examine various documents of the different periods to discover evidence of the operation of linguistic principles.

Cynewulf and Cædmon.*

Two hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

Several of the poems traditionally ascribed to those authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

* See footnote, page 67.

Technical and Advanced Criticism, Dr. Savage.

*Two hours a week during the first semester.**(Given in 1920-21.)*

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, oral composition and other matters. Materials collected for other courses in research are available for use in this work.

English Journal Club, Miss Donnelly, Dr. Chew, Dr. Crandall, Dr. Savage and Dr. Prokosch.

*One and a half hours a month throughout the year.**(Given in each year.)*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Associate Professor of French; Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Miss Marcelle Pardé, Associate in French, and Miss Mary Sinclair Crawford, Instructor in French.

The instruction offered in French covers thirty-one hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and eleven hours a week of graduate work in modern French literature and in Old French literature and language. All the courses in French except the matriculation course and the seminary in philology are conducted in the French language.

A class for beginners in French five hours a week throughout the year is provided, in order that those students whose matriculation examination did not include French may obtain a reading knowledge of it if they desire to do so. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in French. This course is given by Miss Crawford.

**Matriculation
Course.**

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject.

**Major
Course.**

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral reading, Dr. Schenck and Miss Pardé.

Three hours a week.

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to give them a general survey of Modern French literature.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Dr. Schenck and Miss Pardé.

Two hours a week.

In the first semester selections from the poetry of Victor Hugo are read in class; in the second semester Balzac's *Eugénie Grandet* is read. In the course in syntax and composition Goodrich, *French Composition*, is used.

2nd Semester.

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral reading, (continued), Dr. Beck and Miss Pardé.

Two hours a week.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Dr. Beck and Miss Pardé.

*Two hours a week.****Advanced Standing.***

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a short passage of every-day idiomatic English.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on the history of French Literature in the seventeenth century, accompanied by collateral reading, Dr. Beck.

Three hours a week.

Critical Readings in the Literature of the seventeenth century. Studies in French Style and Composition, Dr. Beck.

Two hours a week.

2nd Semester.

Lectures on the history of French Literature in the eighteenth century, accompanied by collateral reading, Dr. Schenck.

Three hours a week.

Critical Readings in the Literature of the eighteenth century. Studies in French Style and Composition, Dr. Schenck.

Two hours a week.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question in French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work.

Advanced Standing.

Group: French with Italian and Spanish, or with any language, or with Modern History, or with History of Art.

FREE ELECTIVE COURSE.

Modern Tendencies in French Literature, Dr. Schenck.

Two hours a week throughout the year.

(Given in 1920-21 and in each succeeding year.)

Contemporary French writers will be studied in relation to their predecessors and to modern movements. Lectures, class discussion, and reports will be in English; the reading in connection with the course will be in French.

Only those students will be admitted who have completed the course in General English Literature or the course in Major French Literature, and have passed the general language examination in French in the autumn preceding their registration for this course, or have had training equivalent to this. In special cases, where the general language examination has not been taken, the student must satisfy the instructor that her knowledge of French is sufficient for the course.

Free Elective Course.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Post-Major Courses.

The Short Story (*Nouvelle*) in the nineteenth century, Dr. Schenck.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant. This course meets three hours a week throughout the year in 1919-20.

Modern French Drama, Dr. Schenck. *Two hours a week throughout the year.*
(Given in 1920-21 and again in 1922-23.)

The course begins with a study of the plays of the Romantic period, and traces the development of French drama throughout the nineteenth century to the present day. The course is conducted by means of lectures, class-room discussion, and reports.

Les Moralistes Français, Miss Pardé. *Two hours a week throughout the year.*
(Given in 1919-20 and again in 1921-22.)

The authors studied are Montaigne, Pascal, La Rochefoucauld, La Bruyère, Diderot, Voltaire, Renan, Sainte Beuve, Taine, etc.

Evolution of French Lyric Poetry, Miss Pardé.
Two hours a week throughout the year.
(Given in 1920-21 and again in 1922-23.)

The origins of modern French lyric poetry are discussed with special emphasis on the poets of the "Pléiade." The romantic movement, l'Ecole du Parnasse, and the later nineteenth century poets are also studied.

Masterpieces of French Literature, Miss Pardé.
One hour a week throughout the year.
(Given in each year.)

This course will be conducted according to the method of the *Explication de Textes* used in the French Universities. The texts chosen will represent typical phases of the French genius.

GRADUATE COURSES.

Graduate Courses.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses, covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers about one main topic to be studied as a part of the history of French literature in its various relations to the general literature and civilisation of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

Seminary in Modern French Literature, Dr. Schenck.
Two hours a week throughout the year.
(Given in each year.)

In 1919-20 the subject of the seminary is Romanticism and Realism. The origins of romanticism are examined in the rise of "le cosmopolitisme littéraire," in eighteenth century French literature and especially in the works of Rousseau and Madame de Staël.

A parallel study of the theories underlying literary and historical realism is made in connection with Taine, Renan, Zola, and Maupassant. The seminary meets in 1919-20, three hours a week throughout the year.

In 1920-21 the subject of the seminary will be Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study is made of the origin and development of the theory of *L'art pour l'art*.

In 1921-22 the subject of the seminary will be Nineteenth Century Drama. After a rapid survey of the theatre of the eighteenth century a careful study is made of the drama of Hugo, Dumas père, Vigny, and Musset, and the extent of the influence of Shakespeare on French romantic drama. The rise and development of realistic comedy are studied and the course closes with an examination of Post-Realism and Symbolism in contemporary French drama.

Seminary in Mediæval French Literature, Dr. Beck.

Two hours a week throughout the year.

(Given in each year.)

The work expected of graduate students in the seminary in Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in Mediæval French literature. During her first year of work in this seminary each student is required to take also the Introduction into the Study of Romance Philology, unless she has already taken a corresponding course.

In 1919-20 the Evolution of Dramatic and Epic Literature from the twelfth to the sixteenth century is studied in the seminary: the development of actual stage drama from the primæval liturgical ceremonies, these and the epic parts of Scripture in relation to the Mystères; the dramatic elements contained in mediæval lyrics, such as the Aubes, Pastoureaux, Jeux-Partis and in the dialogue forms of certain types, such as the Chansons à danse; the primitive Opera comique, a combination of lyrics and epics; Aucassin et Nicolette, Robin et Marion, le Jeu de St. Nicolas, etc. The work of the second semester is devoted entirely to a systematic study of the origin and development of Old French epics in the light of Bédier's work.

In 1920-21 the subject of the seminary will be Rabelais' *Gargantua et Pantagruel*.

Old French Philology, Dr. Beck.

Three hours a week throughout the year.

(Given in each year.)

Historical Grammar of Old French, followed by Critical Reading of Old French texts, in their chronological order, chosen from the most representative genres and dialects, including Anglo-Norman. Students of Old French Philology should be provided with E. Monaci's *Facsimili di Documenti per la storia delle lingue e delle letterature Romanze*, Nyrop, *Grammaire historique de la Langue Française*, Vol. 1, and K. Bartsch, *Chrestomathie de l'Ancien Français*. This course is equivalent to a full seminary and counts as such.

Introduction into the Study of Romance Philology, Dr. Beck.

One hour a week throughout the year.

(Given in each year.)

Derivation of the Romance Languages, chiefly Old French, Old Italian and Old Spanish.

This course is planned to meet the needs of all students of Romance Languages whether they are specializing in French, Italian or Spanish. It will require two hours of work a week in addition to the hour of lecture. Graduate students taking the graduate course in Old French Philology or the graduate language courses in Italian and Spanish who have not had this course or its equivalent are strongly advised to take it at the same time, and will be given an allowance of three hours in the work required to make these courses equivalent to seminars. The two combined courses will be equivalent to a full seminary and will count as such.

Old Provençal, Dr. Beck.

One hour a week during the first semester.

(Given in 1919-20.)

Historical Grammar of the Old Provençal language.

Old Provençal Literature.*One hour a week during the second semester.**(Given in 1919-20.)*

The evolution from the Tropes and Sequences of the Troubadour-Lyrics and earliest Provençal Drama.

Advanced Old French Philology, Dr. Beck.*One hour a week throughout the year.**(Given in each year if the courses in old Provençal are not given.)*

The influence of Mediæval Latin upon the formation of the Old French literary language is studied. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

This course is open only to graduate students who have already taken the graduate course in Old French Philology and the seminary in Mediæval French Literature or their equivalents.

Modern French Literature, Miss Pardé. Three hours a week throughout the year.*(Given in each year.)*

The method used in advanced literary instruction in France and known as the "*Explications de textes*" will be employed, students being required to give oral lessons and to write many short papers.

In 1919-20 the period selected is the sixteenth century.

In 1920-21 seventeenth century authors will be studied.

In 1921-22 authors of the eighteenth century will be studied.

Romance Languages Journal Club, Dr. Schenck, Dr. Beck, Miss Pardé, Dr. Riddell, Dr. DeHaan, Miss Dorado, and Miss Crawford.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology.

Italian.

The instruction in this department is given by Dr. Agnes Rutherford Riddell, Associate in Italian.

The instruction offered in Italian covers fourteen hours of lectures and recitations a week; it includes twelve hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group.

FIRST YEAR.*(Minor Course.)**(Given in each year.)***Major Course.****Introductory Italian, Dr. Riddell.***Five hours a week throughout the year.**(May be taken as a free elective.)*

This course is specially designed to enable students (a) to read modern Italian and to write simple Italian; (b) to read Dante as soon as possible. The reading of Dante will, it is hoped, be begun before the end of the first semester. Some practice is given in speaking Italian.

The advanced standing examinations or examinations taken without attendance on the college classes in the minor course in Italian, five hours a week for one or two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college by regular and systematic study, or by residence abroad, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering college. Failure to pass at the first trial will disqualify from further trials.

*Advanced
Standing.*

SECOND YEAR.

Lectures on the History of Italian Literature, Dr. Riddell.

Three hours a week throughout the year.

The influence of Italian on other literatures, especially English literature. Reading from Petrarch, Boccaccio, Boiardo, Ariosto, Castiglione, Tasso, Goldoni, Alfieri, Manzoni, Leopardi, Carducci and others.

Reading and Composition, Dr. Riddell. *Two hours a week throughout the year.*

Reading of modern plays and short stories, from D'Annunzio and others. Composition in Italian.

Group: Italian, or Italian and Spanish, with any language, or Italian with History, or with History of Art.

POST-MAJOR COURSE.

Modern Italian Drama, Dr. Riddell. *Two hours a week throughout the year.*

(Given in each year.)

*Post-
Major
Course.*

The course traces the development of the Italian drama from the time of Goldoni to the present day. Representative dramas will be read and discussed.

GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

*Graduate
Courses.*

Seminary in Italian Literature, Dr. Riddell.

Two hours a week throughout the year.

(Given in each year.)

In 1919-20 the subject of the seminary is the Development of the Drama. The early drama, the *commedia dell' arte*, the drama of the eighteenth century, and the modern drama are studied.

In 1920-21 the subject of the seminary will be the Development of the Novel. The popular tale, the *novella*, and other manifestations of the story form will be studied. Special attention will be paid to the modern novel.

In 1921-22 the subject of the seminary will be the Romantic Epic, with special study of Boiardo, Ariosto and Tasso.

If necessary, modifications will be made in the work of the seminary to meet the special requirements of students presenting themselves for it.

Romance Languages Journal Club, Dr. Schenck, Dr. Beck, Miss Pardé, Dr. Riddell, Dr. DeHaan, Miss Dorado, and Miss Crawford.

One and a half hours a fortnight throughout the year.

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan, Professor of Spanish and Miss Carolina Marcial Dorado, Instructor in Spanish.

The instruction offered in Spanish covers nineteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; five hours a week of post major work; and four hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Major Course.

Spanish, Dr. DeHaan and Miss Dorado. *Five hours a week throughout the year.*

(This course is given in two sections, one conducted by Dr. DeHaan, the other by Miss Dorado.)

The object of this course is to give beginners a good knowledge of modern Spanish. The first semester is given to the essentials of grammar; exercises at frequent intervals give practice in the application of the principles; the remaining time is given to reading prose texts. In the second semester exercises in composition are continued but a greater proportion of the time is given to reading; and special attention is paid to conversation.

Advanced Standing.

The advanced standing examinations or examinations taken without attendance on the college classes in the minor course in Spanish, five hours a week for one or two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials.

SECOND YEAR.

(Given in each year.)

Spanish, Dr. DeHaan.

Five hours a week during the first semester.

The work of the first year course is extended by the reading of moderately long and fairly difficult novels by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish.

Spanish, Miss Dorado.

Five hours a week during the second semester.

The work of the first semester is continued and collateral reading is required throughout.

Group: Spanish or Italian and Spanish with any language, or Spanish with History or with History of Art.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Advanced Spanish, Dr. DeHaan.

Two hours a week throughout the year.

(Given in each year.)

The course consists of readings of classical and modern literature, translation of English prose into Spanish, and the writing of compositions in Spanish.

The Spanish Short Story, Miss Dorado.

Three hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

This course begins with a study of the Spanish Short Story of the nineteenth and twentieth centuries and traces its origin back to the writers of the Golden Age. A special study is made of the modern tendencies represented by Pardo Bazán, Blasco Ibáñez, and José Francés. The course includes also a brief survey of the leading short story writers of Latin America.

Spanish Lyric Poetry, Miss Dorado.

Three hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

The best lyric poetry published within the last fifty years is read and discussed.

GRADUATE COURSES.

Four hours a week of seminary work or graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

The graduate seminaries in Spanish are varied from year to year in order that they may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Seminary in Spanish, Dr. DeHaan.

Two hours a week throughout the year.

(Given in each year provided the courses in Spanish Philology and Old Spanish Readings are not given.)

In 1920-21 the plays of Calderón will be the subject of the seminary.

In 1921-22 the prose works of Cervantes will be studied.

Spanish Philology, Dr. DeHaan.

One hour a week throughout the year.

(Offered provided the seminary in Spanish is not given.)

Old Spanish Readings, Dr. DeHaan.

One hour a week throughout the year.

(Offered provided the seminary in Spanish is not given.)

Seminary in Spanish Literature, Miss Dorado.

Two hours a week throughout the year.

In 1919-20 Spanish literature from the middle of the nineteenth century up to the present time is the subject of the seminary.

In 1920-21 Spanish literature of the first half of the nineteenth century will be studied.

In 1921-22 Spanish Dramatic Art of the nineteenth century will be the subject of study.

**Post-
Major
Courses.**

**Graduate
Courses.**

German.

The instruction in this department is under the direction of Dr. Eduard Prokosch, Associate Professor (elect) of German, and Dr. Mary Agnes Quimby, Instructor in German.

The instruction offered in German covers twenty-three hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and five hours a week of graduate work in modern German literature and in Teutonic philology.

Matriculation Course.

A class for beginners in German, conducted by Dr. Quimby, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may obtain a reading knowledge of it if they desire to do so. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in German.

Major Course.

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Prokosch. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. As much collateral reading as possible, done either in or out of class, will illustrate the lectures. Kummer's *Literaturgeschichte des neunzehnten Jahrhunderts* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private Reading: Grillparzer, *Sappho*, and Fontane, *Effie Briest*, must be read by students taking the course in the first semester; Hebbel, *Agnes Bernauer*, and Frenssen, *Hilligenlei*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Prokosch.

Two hours a week throughout the year

German Grammar and Prose Composition, Dr. Prokosch.

One hour a week throughout the year.

These courses consist primarily of the study and free reproduction of selections from modern German prose and verse.

The course in Grammar and Prose Composition includes a review of grammar based upon Sütterlin's *Deutsche Sprache der Gegenwart*.

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Die Piccolomini*, *Wallenstein's Tod* must be read by students taking the courses in the first semester; Schiller, *Bräut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

Advanced Standing.

SECOND YEAR.

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Prokosch.

Two hours a week throughout the year.

These lectures are delivered in German and discuss chiefly the great classical authors.

Private reading: Goethe, *Dichtung und Wahrheit* (assigned selections) and Lessing, *Nathan der Weise*, must be read by students taking the course in the first semester; Raabe's *Hungerpastor* and Nietzsche's *Zarathustra* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Faust-Legend and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts), Dr. Prokosch.

Two hours a week throughout the year.

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of Faust-like legends in mediæval literature, the Faust-Legend in its most important English and German ramifications will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings.

Private reading: Goethe's *Götz* and *Iphigenie* must be read by students taking the course in the first semester, Lenau's *Faust* and Wagner's *Parzival* must be read by students taking the course in the second semester.

German Prose Composition and Reading, Dr. Prokosch.

One hour a week throughout the year.

In this course the students write German essays and translate selected passages of English prose into German. Lewisoohn, *German Style* (Holt & Co.), will be studied and discussed.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Kleist's *Michael Kohlhaas* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students

taking this course in the second semester. Examinations on the private reading must be taken at the scheduled times during the semester for which the reading is assigned by all students pursuing the German courses.

Advanced Standing.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: German with any language, or with History, or with History of Art.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

A selection from the following courses will be offered depending on the needs of the students.

Early German Literature and Elementary Middle High German, Dr. Prokosch.

Two hours a week during the first semester.

In connection with a general survey of the development of Old High German and Middle High German literature, some of the more important works of those periods will be read, partly in modern translations, and partly in the original.

German Phonetics and Historical Grammar, Dr. Prokosch.

Two hours a week during the second semester.

The course includes a study of the formation of speech sounds in general, a detailed discussion of modern German pronunciation, and an introduction to the history of the German language. The needs of prospective teachers of German receive special consideration.

The German Drama in the Nineteenth Century, Dr. Prokosch.

Two hours a week during the first semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Wagner, Anzengruber, Wildenbruch, Sudermann, Hauptmann, and other modern writers.

The German Novel, Dr. Prokosch.

Two hours a week during the second semester.

The development of the modern German *Roman* and *Novelle* is discussed; Keller's, Storm's, and C. F. Meyer's works are specially studied, and attention is given to the works of Reuter, Freytag, Raabe, Heyse, Fontane, Huch, Kellermann, and others.

Advanced German Composition, Dr. Prokosch.

One hour a week throughout the year.

The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

GRADUATE COURSES.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department may be elected by graduate students. *Graduate Courses.*

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic Philology as an associated minor and students who offer Teutonic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Seminary in German Literature, Dr. Prokosch.

Two hours a week throughout the year.

(Given in each year.)

It is hoped that the students will become familiar in the seminary with the method of scientific literary criticism and investigation.

In 1919-20 topics from the classical period of German literature are studied. Alternative subjects of study are Luther and the Humanists, or Nietzsche.

In 1920-21 Goethe will be the subject of study in the seminary.

In 1921-22 the Romanticism of early modern German literature will be studied in the seminary.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Eduard Prokosch, Associate Professor (elect) of German. The courses given in each year will be selected from among those described below to meet the needs of the graduate students.

The courses in introduction to the study of Teutonic philology, Gothic and Middle High German grammar are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Teutonic Seminary, Dr. Prokosch. *Two hours a week throughout the year.*
(Given in each year.)

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1919-20 the subject of the seminary is taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

In 1920-21 the seminary is devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) will also be studied.

In 1921-22 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied in the first semester. The many problems that these texts offer and the various attempts to solve them will be discussed. In the second semester modern High German texts will be the subject of the seminary.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Introduction to the Study of Teutonic Philology, Dr. Prokosch.

One hour a week throughout the year.

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

Gothic, Dr. Prokosch.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts, Dr. Prokosch.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German, Dr. Prokosch.

One hour a week throughout the year.

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar will be studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse, Dr. Prokosch.

Two hours a week throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3d ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

Old Saxon, Dr. Prokosch.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German, Dr. Prokosch.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Old High German, Dr. Prokosch.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, and Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar, Dr. Prokosch.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and

Semitic Languages. The instruction offered in this department includes two courses, one of three hours a week and one of two hours a week in Oriental History, two hours a week of free elective courses in Biblical Literature, and five hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

MINOR COURSE.

(Given in each year.)

Minor Course.

History of the Near East, Dr. Barton. *Three hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

History of the Far East, Dr. Barton. *Two hours a week throughout the year*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

FREE ELECTIVE COURSES.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

*Free
Elective
Courses.*

Biblical Literature, Dr. Barton.

Two hours a week throughout the year.

One of the following courses will be given in each year, the choice depending on the registration of the students:

History of the Old Testament Canon: In this course the history of the composition of the books of the Old Testament and their collection into a canon are studied. Special attention is given to the literary form and purpose of each book.

History of the New Testament Canon: In this course the history of the composition and collection of the books of the New Testament is studied. The instruction is given in lectures, and reading is assigned in the New Testament and in modern literature concerning it.

New Testament Biography: The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of Christian Doctrine: In the first semester the study is devoted to the Old Testament conceptions of God, Sin, and Redemption, and to Christianity as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

The Religions of the World: The course begins with a study in primitive religions of certain fundamental conceptions. The great historical religions of the world are then studied in outline with special reference to the origin, development, and fundamental ideas of each.

GRADUATE COURSES.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to two hours a week may be elected by graduate students.

*Graduate
Courses.*

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialize in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count

as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1919-20 and again in 1921-22:

Semitic Seminary, Dr. Barton.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew, one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Comparative Semitic Grammar, Dr. Barton.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages. This course is to be taken in the fourth year of study of Semitic languages.

Ethiopic, Dr. Barton.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Seminary in Aramaic and Arabic, Dr. Barton.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Egyptian, Dr. Barton.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in Oriental Archæology, Dr. Barton.

One hour a week throughout the year.

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

The following courses are offered in 1920-21 and again in 1922-23.

Semitic Seminary, Dr. Barton.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1919-20.

Seminary in New Testament Greek, Dr. Barton.*One hour a week throughout the year.*

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline. A course in Greek equivalent to the major course in Greek in Bryn Mawr College is required of students taking this seminary.

Seminary in the History of Religion, Dr. Barton.*One hour a week throughout the year.*

The work of this seminary may be carried on in either of the following ways: By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view. The time may be devoted to investigating problems connected with one religion.

Elementary Semitic Languages, Dr. Barton.*Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew Literature, Dr. Barton.*One hour a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith,* Professor of History, Dr. Charles Wendell David, Associate Professor of History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, Dr. Wilmer Cave Wright, Associate Professor of Greek, and Dr. Edith E. Ware, Lecturer in History.

The instruction offered in history covers forty-one hours of lectures a week; it includes fifteen hours a week of undergraduate major and minor work in modern history and seven hours a week of minor work in ancient history; five hours a week of free elective; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and nine hours a week of graduate work.

The object of the major course in history is three-fold. Pri-

*Granted leave of absence for the year 1919-20. The courses announced by Professor William Roy Smith are given by Dr. Edith E. Ware in 1919-20.

marily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

History of Europe from 1517 to 1789, Dr. William Roy Smith* and Dr. David. *Five hours a week.*

(This course may be taken as a free elective. The class is given in two sections, one conducted by Dr. W. R. Smith, the other by Dr. David.)

The work of this and of the following semester is designed not to give a summary view of European history but to select and enlarge upon such aspects of it as are essential to the understanding of the modern world. In consequence, more relative attention is devoted to the period after 1789 than to the centuries preceding that date. Among the topics considered during this semester are the ideal of a united Christendom as embodied in the Holy Roman Empire and the Catholic Church, the causes and effects of the Crusades, the rise of national states, the Reformation and the Counter Reformation, the maintenance of a European balance of power, the progress of colonization, the rise of Prussia and Russia and the characteristics of the *ancien régime*.

The instruction is given by means of lectures, required reading, written papers, and discussion. This course was given in 1919-20 in the second semester.

2nd Semester.

History of Europe from 1789 to 1915, Dr. Gray and Dr. David.

Five hours a week.

(This course may be taken as a free elective. The class is given in two sections, one conducted by Dr. Gray, the other by Dr. David.)

The course deals with the political and social transformation of Europe which was initiated by the French Revolution. The outcome of the Revolution, the career of Napoleon, the absolutist reaction of the early nineteenth century, the successive revolts against this, the formation of modern constitutional governments, the creation of the German Empire and the Kingdom of Italy, the extension of European influence to Asia and Africa, and the treatment of social problems of today are among the topics studied.

The instruction is continued by the same methods as in the first semester. This course was given in 1919-20 in the first semester.

SECOND YEAR.

1st Semester.

History of the Renaissance, Dr. Gray.

Five hours a week.

(Given in each year.)

* See footnote, page 89.

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

An endeavour is made to indicate in what ways mediæval life and thought were transformed into those of modern Europe. Political, economic, literary, artistic and scientific changes are therefore studied. Since Italians were prominent in the new movements, most attention is given to Italian history, but the innovations of the North, especially those connected with the new Burgundian State, are not neglected. The period extends in a general way from 1250 to 1527. This course was given in 1919-20 in the second semester.

2nd Semester.

British Imperialism, Dr. William Roy Smith.*

Five hours a week.

(Given in each year.)

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power. This course was given in 1919-20 in the first semester.

FIRST YEAR.

Ancient History.

(Given in each year.)

History of the Near East, Dr. Barton. *Three hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester.)

This course treats in broad outlines the history of the civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabeans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs.

History of the Far East, Dr. Barton. *Two hours a week throughout the year.*

(Given in each year.)

(This course may be taken as a free elective and may be entered in the second semester.)

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

Greek Religion and Greek Myths, Dr. Wilmer Cave Wright.

Two hours a week during the first semester.

(Given in 1919-20 and again in 1921-22.)

(This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.)

The course treats of the development of Greek religion, the attributes of the Olympian gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

* See footnote, page 89.

Literary Geography of Greece and Asia Minor, Dr. Wilmer Cave Wright.

Two hours a week during the second semester.

(Given in 1919-20 and again in 1921-22.)

(This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.)

The course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history.

Group: History with Economics and Politics; History with German, or with French, or with Italian, or with Spanish, or with History of Art.

FREE ELECTIVE COURSES.

Free Elective Courses.

History of the United States from 1865 to 1915, Dr. William Roy Smith.*

Two hours a week throughout the year.

(Given in each year.)

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They are also taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources.

History of Mediæval Europe, Dr. David.

Three hours a week throughout the year.

(Given in 1919-20.)

An attempt is made to trace the political, institutional, economic, social and intellectual development of mediæval Europe from the decline of ancient culture to the thirteenth century. Special attention is devoted to the church as a great civilizing influence, to the outstanding writers and thinkers of all periods, and to the renaissance of the twelfth century. Instruction is by means of lectures, directed reading, and classroom discussion.

Europe since 1870, Dr. Gray.

Three hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

This course is designed for students who wish to know the genesis and setting of contemporary social and political problems. It will of necessity be largely concerned with the causes, progress, and effects of the world war. The rise of Germany as a unified industrial state, her rivalry with her neighbours, the consequent formation of alliances, the immediate antecedents of the war, the military and industrial conduct of it, the appearances of revolutionary governments in central and eastern Europe, the consequences of the peace of Versailles, and the strong position of labour in post-bellum society will be among the subjects studied. A year of minor history is a prerequisite and a reading knowledge of French is required.

Civilization of the Ancient World, Dr. David.

Three hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

The origin and development of Mediterranean civilization from earliest times to the fourth century A. D. are broadly treated. Special attention is paid to Greece and Rome but the evolution of civilization as a whole is the main theme of the course.

* See footnote, page 89.

POST-MAJOR COURSES.

England to 1485, Dr. Gray.

*Three hours a week throughout the year.**(Given in 1919-20.)*

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

England under the Tudors, Dr. Gray.

*Three hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

Attention is given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes.

American Constitutional History from 1783 to 1865, Dr. William Roy Smith.

*Two hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

American Constitutional History to 1783, Dr. William Roy Smith.

*Two hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

The French Revolution and Napoleon, Dr. David.

*Three hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

GRADUATE COURSES.

Three distinct seminaries, two in Mediæval and Modern European history, and one in American history are offered to graduate students in history in addition to a course in Historical Bibliography and Criticism and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Post-Major Courses.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Seminary in Mediaeval and Modern European History, Dr. Gray.

Three hours a week throughout the year.

(Given in each year.)

In 1919-20 aspects of Yorkist and Tudor England are studied. Among these are the significance of the War of the Roses, the rise of a new nobility, the character of the absolutist government, the renunciation by the English church of papal authority, the consequent dogmatic and social changes, the commercial rivalry and the conflict with Spain.

In 1920-21 the seminary will be devoted to the problems of contemporary Europe and will rely upon recent historical literature. The genesis, the progress, and the results of the world war will furnish the topics for study. Attention will be given to the development of the industrial society of the second half of the nineteenth century, to the staging of the conflict by national interests and rivalries, to the adaptations required by the war, and to changes attendant upon reconstruction and influenced by the commanding position of labour in the social order of the day.

In 1921-22 the seminary will be concerned with the history of England during the Hundred Years' War. Diplomatic negotiations, innovations in military science, the new taxation necessitated, the hostility not infrequently shown to the government, the social changes associated with the Black Death and the Peasants' Revolt, the doctrines advocated by Wiclif, the rise of the woollen industry and of a native merchant class, are among the subjects to which consideration is given.

Seminary in American History, Dr. William Roy Smith.*

Two hours a week throughout the year.

(Given in each year.)

In 1919-20 the seminary deals with the Civil War and Reconstruction. Special stress is laid upon the social, economic, and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

In 1920-21 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1921-22 the Revolution, the Confederation, and the Constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Bibliography and Criticism.

Seminary in Mediaeval and Modern European History, Dr. David.

Two hours a week throughout the year.

(Given in each year.)

In 1919-20 the subject of the seminary is England during the transitional period of the late eighteenth and early nineteenth centuries. Special attention is paid to the reform movement from 1769 to 1832, to the effect of the struggle with revolutionary France and Napoleon upon England, and to the industrial revolution.

* See footnote, page 89.

In 1920-21 the subject of the seminary will be England during the twelfth and thirteenth centuries. Special attention will be paid to institutional and cultural developments, as well as to statistical history.

In 1921-22 the subject of the seminary is the French Revolution and Napoleon. Topics are selected for special study either from the revolutionary or from the Napoleonic period, with a view to illustrating various kinds of historical problems and gaining an adequate working knowledge of the principal printed sources and of the more important secondary writers.

Historical Bibliography and Criticism, Dr. David.

One hour a week throughout the year.

Historical bibliography will be the subject of the course during the first semester. Special attention will be paid to bibliographical guides; to libraries, archives, and manuscript collections; to important sets of printed sources; to the development of historical studies since the Renaissance; and to the work and rank of leading historians of the modern school. Historical analysis and synthesis will be treated during the second semester. Special attention will be paid to the external and internal criticism of documents; to the auxiliary sciences; to the arrangement and presentation of the results of historical research; and to the relation of history to science. The course will consist of informal lectures and supplementary reading, with some assigned topics illustrative of the problems under discussion. This course must be elected by all students in history during their first year of graduate study.

Historical Journal Club, Dr. Gray, Dr. William Roy Smith,* Dr. David, and Dr. Ware.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith,† Professor of Economics and Politics, Dr. Charles Ghequiere Fenwick, Professor of Political Science, Dr. George Hermann Derry, Lecturer in Economics, and Miss Marjorie Lorne Franklin, Instructor in Economics and Politics.

The instruction offered in this department covers twenty-five hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour of free elective, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and nine hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the

* See footnote, page 89.

† Granted leave of absence for the year 1919-20. The courses announced by Dr. Marion Parris Smith for the year 1919-20 are given by Dr. George Hermann Derry.

practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Introduction to Economics, Dr. Marion Parris Smith* and Miss Franklin. *Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Marion Parris Smith* and one by Miss Franklin.)

The objects of this course are to introduce the students to the economic problems in the modern state, and to train them to think clearly on economic subjects. The subjects considered are production, agricultural and industrial; distribution of wealth, the mechanism of exchange, economic institutions of money, banking, foreign exchange, markets; transportation, etc.

Students are required to write occasional short papers in connection with their private reading, and one short report on a specially assigned topic.

2nd Semester.

Introduction to Government and Politics, Dr. Fenwick and Miss Franklin. *Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Fenwick and one by Miss Franklin.)

The object of this course is to present the structure and organization of the government of the United States and of the government of the several states, together with an examination of the party system and its effects upon the actual operations of government. It is followed by a comparative study of the governments of Great Britain, France, and Germany.

SECOND YEAR.

1st Semester.

(Given in each year.)

Present Political Problems, Dr. Fenwick.

Five hours a week.

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to present the chief political problems that have arisen in recent years. The study of practical problems is preceded by a study of theories relating to the origin and nature of the state, its end or object, and the proper sphere of state activities, under which last heading the various theories of individualism, liberalism, and socialism will be studied. Modern reforms in federal, state, and city government are next studied, and particular stress is laid upon the extension of federal power in the United States and the relation between the Fourteenth Amendment and modern social and economic legislation adopted in the exercise of the police powers of the several states.

* See footnote, page 95.

2nd Semester.

History of Economic Thought and Recent Economic Problems, Dr. Marion Parris Smith.* *Five hours a week.*

The course is divided into two parts: Part I aims to give students an historical introduction as a basis for a critical study of modern economic problems. The students read in connection with this section parts of Adam Smith's *Wealth of Nation*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; and selections from the writings of John Stuart Mill, Jevons, Wicksteed, Boehm-Bawerk, and Pantaleoni.

In part II certain modern economic problems are considered in some detail: distribution under socialism, co-operation, profit sharing, the minimum wage, the eight-hour day, tax reforms, price fixing, etc. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Geology.

FREE ELECTIVE COURSE.

Elements of Private Law, Dr. Fenwick. *One hour a week throughout the year.*
(Given in each year.)

(This course may be elected only by students who have studied economics and politics or modern history at least five hours a week for one year.)

The object of this course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of procedure. The lectures are supplemented by a study and discussion of court cases bearing on the subject.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

American Economic and Social Problems, Dr. Marion Parris Smith.*

Three hours a week throughout the year.

(Given in 1918-19 and again in 1920-21.)

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; problems of food distribution and marketing, cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

Economic and Social Legislation in England and America since 1890, Dr. Marion Parris Smith.*

Three hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

**Free
Elective
Course.**

**Post-
Major
Courses.**

* See footnote, page 95.

International Law, Dr. Fenwick.*Two hours a week throughout the year.**(Given in 1919-20 and again in 1920-21.)*

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the question of international reorganization at the present time stress is laid upon the problems involved in a League of Nations.

Constitutional Law of the United States, Dr. Fenwick.*Two hours a week throughout the year.**(Given in 1921-22.)*

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

GRADUATE COURSES.**Graduate Courses.**

Nine hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics.

Three seminaries, one in economics, two in political science, are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is given in the Department of Social Economy. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Economics Seminary, Dr. Marion Parris Smith.**Two hours a week throughout the year.**(Given in each year.)*

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1919-20* the Theories and Problems of Distribution and the agencies in modern social life that affect the distribution of wealth are studied. Special attention is paid to wage problems, profit sharing, various plans for controlling large scale production, land reforms, and income and excess profits taxation.

In 1920-21 Economic Theory and Economic History in the United States from 1790 to 1850 will be studied.

In 1921-22 the Tariff, Currency and Banking in the United States will be the subjects of the seminary.

In 1921-22 the subject of the seminary will be Taxation, Banking and Railroad Finance since 1900.

*See footnote, page 95.

Politics Seminary, Dr. Fenwick.*Three hours a week throughout the year.**(Given in each year.)*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1919-20 Comparative Constitutional Government is the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign power, and authority of the constitution, the restriction placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1920-21 the Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students will be required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1921-22 Constitutional Questions involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

Seminary in Municipal Government, Miss Franklin.*Three hours a week throughout the year.*

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city-manager forms, are considered in the early part of the course. A study of modern municipal administration follows, including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises, the public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Economics and Politics Journal Club, Dr. Marion Parris Smith,* Dr. Fenwick, Dr. Derry, and Miss Franklin.*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

Social Economy and Social Research.*The Carola Woerishoffer Graduate Department of Social Economy and Social Research.*

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously

* See footnote, page 95.

endowed. The department affords women an opportunity to obtain advanced scientific training in social and industrial advancement to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Economy and Social Research, Miss Anna Bezanson, Instructor in Social Economy, Dr. Neva Deardorff, Non-resident Lecturer in Social Economy, Miss Henrietta Additon, Non-resident Lecturer in Social Economy and Mrs. Eva Whiting White, Non-resident Lecturer in Social Economy, Miss Gladys Louise Palmer, Reader in Social Economy and Miss Florence Mason, Secretary to the Department of Social Economy and Social Research, with the co-operation of the following members of the closely allied departments of Economics and Politics, Psychology, Education, and Philosophy: Dr. Marion Parris Smith,* Professor of Economics; Dr. Charles Ghequiere Fenwick, Professor of Political Science; Dr. George Hermann Derry, Lecturer in Economics; Miss Marjorie Lorne Franklin, Instructor in Economics and Politics; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Dr. Matilde Castro, Professor of Education; Dr. Ada Hart Arlitt, Associate in Educational Psychology; Dr. David Hilt Tennent, Professor of Biology, and Dr. Ellen C. Potter, Lecturer in Social Hygiene. The seminars and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergraduate students are admitted although graduate students in the department may elect, subject to the approval of the Director of the Department, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and

* Granted leave of absence for the year 1919-20.

more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, psychology, philosophy, or history, and also preliminary work in psychology or biology, or should follow such courses while taking the work of the department.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and the remaining one-third to practical work in her chosen field. Students entering the department are expected to pursue the work throughout one year at least. After one year of work in this department one-half year may be given to a practicum in residence in a social service institution, in connection with a social welfare or community organization, in a federal or state department of Labour and Industry, in a federal or state employment office, or in a manufacturing or mercantile establishment in Philadelphia, New York, New England, or elsewhere, during which time the practical work and special reading and research will be supervised by the instructor in charge of the practicum at the college and by the head of the institution, department or business firm.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies, federal and state departments and manufacturers and merchants to secure for its students definite affiliations with practical work in the fields chosen by them. This has led in the years 1915-19 to an arrangement for co-operative work with the College Settlement, the Municipal Court, the Society for Organizing Charity, the Women's Trade Union League, the Social Service Department of the University of Pennsylvania Hospital, the Bryn Mawr Community Center, the Massachusetts Minimum Wage Commission, the Federal Children's Bureau, the Children's Aid Society, the Consumers' League, the Seybert Institution, the White-Williams Foundation, the U. S. Employment Service, the State Department of Labour and Industry, and the American Red Cross.

The following business firms have afforded opportunity for practical work in industrial supervision and employment management, in or near Philadelphia;

The Aberfoyle Manufacturing Company, The American Pulley Company, The Atlantic Refining Company, The Barrett Company, Bell Telephone Company, Edward G. Budd Manufacturing Company, A. M. Collins Company, Curtis Publishing Company, Henry Disston & Sons Company, Eddystone Munitions Works, General Electric Company, Hog

Island, Link Belt Company, Midvale Steel Corporation, Miller Lock Company, Notaseme Hosiery Company, Fayette R. Plumb Company, The Scott Company, J. B. Stetson Company, Sutro Hosiery Company, John Wanamaker, The Whitman Candy Company.

Graduates of colleges other than Bryn Mawr College that have presented the required preliminary work in economics, political science and psychology and have satisfactorily completed courses approved by the Director for one year only will receive certificates stating these courses. Graduate students that have presented the required preliminary work and have satisfactorily completed courses approved by the Director during two years will receive certificates stating these courses.

Graduates of Bryn Mawr College and of other colleges of good standing, may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree in Bryn Mawr College.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of Bryn Mawr College and of other colleges of good standing under the conditions prescribed for this degree in Bryn Mawr College.

Seven seminars, three including practicums, and five graduate courses, are given each year in the Carola Woerishoffer Department in addition to seminars and courses in economics, politics, education, philosophy, and psychology. Direction of investigation and research in special fields, and supervision of the practicum in social and industrial welfare accompanies the seminars and courses. The seminars announced by the department are given in rotation so that different seminars may be taken in consecutive years. The selection of courses depends upon the field of social work which the student may choose. A seminary in Social Economy or a seminary in Social Theory, and, unless previously taken, undergraduate courses in Elements of Statistics and Methods of Social Research are required of all students of the department.

FREE ELECTIVE COURSES.

Elements of Statistics, Miss Bezanson. *One hour a week throughout the year.*

(Given in each year.)

Free Elective Courses.

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation.

The course is recommended to students of social economy and of economics and to those students interested in the study of record keeping and filing. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Record Keeping and Social Investigation, Dr. Kingsbury.

One hour a week throughout the year.

(Given in each year.)

The object of the course is to acquaint the student with the principles and methods of record keeping and filing which are applicable to municipal, state, and federal offices, to business organizations, and to social organizations and investigation, and with the methods of securing, analyzing, interpreting and presenting social data. The best systems in use will be analyzed and studied. Formulation of the various types of schedules, tabulation of information secured, and the framing of tables are among the subjects considered. The course concludes with a critical study of the methods used in social economic investigations, of sources of social statistical information, and of reports by federal and state departments and by private organizations.

POST-MAJOR COURSE.

Social Betterment, Dr. Kingsbury.

Two hours a week throughout the year.

(Given in each year.)

**Post
Major
Course.**

This course presents the principles and methods used in the Charity Organization Society and the principles of case work are carefully considered and various case records both from the Charity Organization Society and from Home Service experiences are studied in the class. Opportunity to attend case conferences are offered to the students, and observation excursions made to various social institutions and agencies of Philadelphia and the surrounding country. The course includes a survey of the origin, growth, and present methods of the most important social service and social welfare organizations in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centres or other neighborhood organizations; (2) improvement of industrial conditions, through associations for labour legislation, labour organizations, or consumers' efforts; (3) vocational guidance, through vocational advising, through placement, or through adjustment of employment; (4) child welfare, through societies for care and protection of children; (5) family care, through organizations for the reduction and prevention of poverty; (6) social guardianship, through the probation work in the juvenile courts or corrective institutions.

GRADUATE COURSES.

The following graduate seminaries and courses may be elected subject to the approval of the Director of the Department by students working for the first and second year certificates as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research, or may be offered as the associated or independent minor with the approval of the Director of the Department when the major is taken in certain other departments according to the regulations of the Academic Council.

**Graduate
Courses.**

Seminary in Social Research, Dr. Kingsbury.

Three hours a week throughout the year.

(Given in each year.)

In 1919-20 the subject of the seminary is Community and Industrial Surveys.

In 1920-21 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) vocational opportunities and demands, (3) standards of living, including income and wages, (4) the relation of health and industry, (5) industrial relations of women and minors. Research including field work with con-

ferences will be required of research fellows and will be offered to every student. A group of students may co-operate to produce a study which, it is hoped, will prove a contribution to our knowledge of the social or industrial conditions investigated.

As the chief subjects of investigation will vary from year to year, as noted above, it will be possible for students to follow the work of the seminary for three consecutive years.

Seminary in the Family as a Social Institution, Dr. Deardorff.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

A study is made of theories regarding the origin and evolution of the family as a social institution; such as the patriarchal theory, the theory of the horde and mother-right, and the theory of the monogamous or pairing family. In connection with these theories are considered the questions of original communism, polygamy, polyandry, monogamy, exogamy, endogamy, wife-capture, wife-purchase, marriage contracts, and divorce, and finally modern theories as to the future of the family.

Seminary in Races and Peoples, Dr. Deardorff.

Two hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

A study is made of the definitions of race, of theories regarding the origin and evolution of races, and of sociological characterizations of peoples.

Seminary in Labour Organization, Miss Bezanson.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1920-21.)

Assuming on the part of students a knowledge of the general concepts of labour economy this seminary discusses questions dealing with trade unionism, employers' associations, wage systems, scientific management, and unemployment. The modern problem of industrial democracy is traced through the various stages of collective bargaining, shop agreements, co-operative management and the recent developments of the British National Industrial Councils.

Seminary in Industrial Organization, Miss Bezanson.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

This seminary undertakes a study of business organization as an element in industrial society. It especially emphasizes the aspects of the industrial combination in its effects upon efficiency and wages.

The purpose is also to present the standard practice in industrial organizations and management. It gives a conception of the entire plant structure in order to suggest possibilities of co-operation between departments, and to insure an understanding of their difficulties. It will concern itself with the location and equipment of a plant and its administration, including functions of the officials and departments and their inter-relations in all stages from purchasing and employing to marketing.

Seminary in Social Education, Dr. Castro.

Two hours a week during the second semester.

(Given in each year.)

The Essentials of Educational Theory and Practice for Community Workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Social Economy Applied to Community Organization and Administration, Dr. Kingsbury.

Two hours a week throughout the year.

(Given in each year.)

This seminary includes the Practicum in Community Organization and Administration. It combines practical work in social and community education with reports and discussions. It must be accompanied by the course in Community Organization and must be preceded or accompanied by the seminary in Social Education—Essentials of Educational Theory and Practice for Social Workers—or its equivalent. In addition to reports and conferences, seven or twelve hours a week, according to election, are devoted to active work in a social center or settlement by which the student gains vital illustration of the principles and organization of community work.

The practice work is so arranged as to give to the student training in the following activities:

(1) Direction and teaching of clubs and classes as observers, visitors, helpers and assistants.

(2) Regular daily management as assistants and later as directors, and as block organizers.

(3) General administrative assistance in office work, including record-keeping, in library work, in activities to secure publicity, in preparation of newspaper articles, reports, posters, exhibits, parades, dramatics, plays, festivals, demonstrations, concerts, and lectures, in public speaking and writing, and in conducting financial campaigns and special studies.

(4) Teaching in night schools of classes in civics and elementary subjects, and conducting special classes in handwork, games, dramatics, gymnastics, playgrounds and kindergarten activities.

(5) Co-operation with civic movements, community campaigns and emergency activities, school programs and propagandist efforts.

Training in the theory and supervision of practice in Physical Education may accompany this seminary.

Two or three months of non-resident practice in social centers and settlements, playgrounds or fresh-air camps may be arranged for the summer following the resident work at Bryn Mawr.

The fields from which the subject for the practicum may be chosen are community, civic and social centers, settlements, playgrounds, and health and recreation centers, and have included the Bryn Mawr Community Center, the Philadelphia College Settlement and work in smaller neighboring communities.

Seminary in Social Economy Applied to Social Relief and Social Guardianship, Dr. Deardorff and Miss Additon.

Two hours a week throughout the year.

(Given in each year.)

This seminary includes the Practicum in Social Relief and Social Guardianship. It must be accompanied by the course in Social Treatment of Dependents, Delinquents, and Defectives or the course in Legal Procedure in Cases Involving Women and Children. Field work is carried on seven to twelve hours per week with such agencies as the following: The Philadelphia Society for Organizing Charities; The Home Service Department of the Red Cross; The Children's Bureau, an agency which investigates all complaints concerning children; The Children's Aid Society, a Child-Placing Agency; The Girl's Aid; The Vocational Guidance Bureau; Hospital Social Service Departments and the various departments of the Municipal Court, such as the Probation, Statistical, Employment Agency and Psychological Departments.

The field work with these agencies is under the supervision of the instructors and of the director of the particular agency or department. In addition to the regular practice work, students are taken on observation trips to courts, almshouses, orphanages, asylums, institutions for the feeble-minded, the blind, the crippled, hospitals, etc.

Seminary in Social Economy Applied to Industrial Supervision and Employment Management, Miss Bezanson.

Two hours a week throughout the year.

(Given in each year.)

This seminary includes a practicum in Industrial Supervision and Employment Management, and consists of one day per week of industrial experience in or near Phila-

delphia and four months of non-resident industrial experience. During the period of residence at Bryn Mawr, the field work is devoted to assisting in an employment office, while group observation trips are regularly arranged. In the non-resident period the student, in addition to experience in the employment office, by being transferred from process to process, is enabled by plant supervision to see not only the conditions of work but the adjustment of employment problems to the other factors of industry. Experience may also be afforded in the federal employment service and in factory inspection. In connection with this seminary each student must take the course in Industrial Supervision and Employment Management, and must precede or accompany it by the Seminary in Labour Organization or Industrial Organization or an equivalent seminary.

Social Treatment of Dependents, Miss Additon.

Two hours a week during the first semester.

(Given in each year.)

This course involves a study of the principles, methods, and agencies employed for the prevention, relief and cure of dependency, defectiveness, and delinquency, such as family case-work, outdoor relief, and institutional care. This course must be accompanied by the seminary in Social Economy including the practicum in Social Relief or Community Organization and Administration. The following outline in very brief form presents the topics considered: (1) Causes of Dependency; (2) The Poor Laws; (3) The Principles and Methods in Family Case Work; (4) Outdoor Relief; (5) Agencies and Institutions Caring for Dependents, for dependent adults and for dependent children.

Social Treatment of Delinquents and Defectives, Miss Additon.

Two hours a week during the second semester.

(Given in each year.)

This course involves a study of the principles, methods, agencies and institutions employed for the prevention, care and cure of defectives and delinquents, such as juvenile courts, probation and parole systems, the indeterminate sentence and psychological laboratories in connection with the courts. This course must be accompanied by the seminary in Social Economy applied to Social Guardianship.

During the semester the following topics are considered:

I. Delinquents: (1) Causation Theories of Delinquency; (2) Theories of Punishment; (3) Penal Codes; (4) Criminal Courts; (5) Treatment of Criminals: Suspended sentences, Probation, Institutional Custody and Care, Parole; (6) Psychological Laboratories in connection with Courts, Detention Homes and Correctional Institutions.

II. Defectiveness: (1) Causes of defectiveness; (2) Clinical types of defectives; (3) Educational classification of defectives; (4) Eugenic problems; (5) Criminal problems; (6) Institutional treatment of defectives; (7) Non-institutional treatment of defectives.

Legal Procedure in Cases involving Women and Children, Miss Additon.

Two hours a week throughout the year.

(Given in each year.)

The administrative side of the law affecting women and children is presented in this course. It includes a study of the law as applied in juvenile courts, domestic relations courts, and other municipal courts.

Community Organization, Mrs. White.

Two hours a week throughout the year.

(Given in each year.)

The theory upon which community work is based and the technique used in its conduct are presented in this course to accompany the field practice which is carried on under the Seminary in Social Economy Applied to Community Organization. Experience of the student in the field is constantly used to exemplify the principles formulated. In the first semester the discussion pertains to the initiation and organization of community centres or associations, block organizations and settlements, and covers the following subjects:

(1) A study of the history of the community, of its physical aspects and its political and social organization.

(2) First steps in community organization including the methods of approach to strategic groups and to strategic individuals to secure co-operation, plans for financial support, organization of the governing body representative of the community, selection of responsible workers, and beginnings of activities.

(3) Community housekeeping, including selection of location and site, building plans, equipment, furnishings and decorations, and care of property.

(4) General management including preparation of budgets, staff organization, committee organization, activity records, office systems and selection, training, and supervision of volunteers.

(5) Co-operation with social, civic and political groups in the community.

(6) Co-operation with the schools, especially in relation to teachers, use of equipment, janitor service, and consideration of school problems such as home visiting, conduct of playgrounds, night schools, school lunches, school libraries, school gardens, etc.

The second semester is given to a study of the kind of activities which may be included in a community centre and settlement program. It devotes some weeks to consideration of the principles of individual education or the so-called community case work corresponding to what is known as social case work. This discussion considers the methods of conducting the first interview and the acquisition of data concerning the individual through school records or other means, the establishment of friendly relations, the assignment of the individual to proper groups and proper positions in the groups, the various means of observation and analysis of ability and character, and the procedure in home visiting. Having completed the study of investigation and analysis of the social qualities and needs of the individual, the course proceeds to consider the plan for personal development through an individual program of activities and relations.

The course next takes up the question of group education or social development of the group and through the group, and deals with the purpose of organization and the methods and procedure of club organization and leadership. It discusses educational courses suited to children (both boys and girls) and to adults (both men and women) and the kinds of classes which may be introduced together with a consideration of necessary equipment and teachers and the principles of maintaining attendance and discipline.

The other subjects considered, include Americanization programmes, types of recreational activity, the study of community art, including pageants, festivals, music, architectural design and city planning, the function of lectures and forums. The course concludes with a discussion of the adaptation of community work to varying community types and conditions, with especial reference to community work in rural districts.

The following courses are open to graduate students by special arrangement:

Criminal Law.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course may accompany the course in Social Treatment of Delinquents and Defectives (Criminology) and the course in Legal Procedure in Cases involving Women and Children.

Criminal Procedure.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Industrial Supervision and Employment Management, Miss Bezanson.

Two hours a week throughout the year.

(Given in each year.)

The course presents the problems and methods of personnel administration. It includes, besides the consideration of the organization and functions of personnel departments, such

practical problems as the selection of the worker, his physical and mental capabilities, his placement, rating and promotion. Intensive study is devoted to the instability of employees through the proper analysis of labour turnover. Other subjects considered in the course are questions arising in the equipment, technique and conduct of the federal employment office or labour exchange, the principles and procedure of factory inspection and the approved methods of supervision of workers in industrial processes. Any outline of the specialized course in employment must be more or less tentative, as material must needs be brought together from trade and technical magazines, government bulletins, and the experiences and surveys of industrial firms and organizations. The following is a partial outline of the scope of discussion in the course in Industrial Supervision and Employment Management:

I. Employment Management: Function; Scope; Fundamental Problems—Stabilization of Employment.

II. Selecting Employees: Sources of Labour Supply; Applications and Interviews; Tests; Physical Examinations; Job Analysis; Standard Practice.

III. Training and Instruction: For New Employees; For Promotion; For Minor Executive; For Foreman.

IV. Employment Organization: Plan of Organization; Survey of Plant; Employment Office Equipment; Statistical Data; Records.

V. Relations to Workers in the Shops: Follow-up; Health Supervision; Absenteeism and Tardiness; Discipline and Complaints; Shop Committees; Terminations.

VI. Relation to Other Executives: Production Manager; Foremen; Industrial Engineer; Safety Engineer; Sanitary Expert; Fatigue Expert; Service Supervisor; Sales Manager.

VII. Relations with Community: Americanization; Schools; Social Organizations; Social and Industrial Insurance; Industrial Education; Legal Problems; Government Boards; Industrial Housing and Transportation; Industrial Commissions.

The course must be preceded or accompanied by the seminary in Labour Organization or Industrial Organization or the equivalent, and by the seminary in Social Economy including the Practicum in Industrial Supervision and Employment Management.

Advanced Statistics, Miss Bezanson. *Two hours a week throughout the year.*
(Given in each year.)

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, skew distribution, partial correlation, and the theory of contingency.

The course must be preceded by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension.

If accompanied by the Special Problems in Statistics the course becomes equivalent to a seminary.

Special Problems in Statistics, Miss Bezanson. *Seven hours a week throughout the year.*
(Given in each year.)

This course including laboratory analysis and reports is offered in each year in connection with the course in Advanced Statistics and the two courses taken together are equivalent to a seminary.

Community Art, Miss King. *Two hours a week throughout the year.*
(Given in 1920-21 and in each succeeding year.)

A special course will be given in Community Art, to show the methods of developing group expression in music, dramatics, pageantry, dancing, literary expression, architecture, graphic and plastic arts. This course prepares the student of artistic ability to use her best gifts in bringing out the artistic expression of the community. The purposes of educational dramatics, pageant and festivals forms, qualifications of directors, principles of casting, costuming and stage direction are included in the division on community dra-

matics. In a similar way the movements for community music, civic architecture, writing, painting or sculpture which are spontaneous expressions of the people are included in other divisions of the course.

Technical and Advanced Criticism, Dr. Savage.

Two hours a week during the first semester.

(Given in 1920-21 and in each succeeding year.)

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

General Course in Articulation and Voice Production, Mr. King.

One half hour a week throughout the year.

(Given in each year.)

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Social Hygiene, Dr. Potter.

One hour a week during the first semester.

(Given in each year.)

Economics Seminary, Dr. Marion Parris Smith.

Two hours a week throughout the year.

(Given in each year.)

In 1919-20 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth are studied. Special attention is paid to wage problems, profit sharing, various plans for controlling large scale production, land reforms, and income and excess profits taxation. This seminary is conducted in 1919-20 by Dr. George Hermann Derry.

In 1920-21 Economic Theory and Economic History in the United States from 1790 to 1850 will be studied.

In 1921-22 the Tariff, Currency and Banking in the United States will be the subjects of the seminary.

In 1922-23 the subject of the seminary will be Taxation, Banking and Railroad Finance since 1900.

Politics Seminary, Dr. Fenwick.

Three hours a week throughout the year.

(Given in each year.)

In 1919-20 Comparative Constitutional Government is the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1920-21 Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1921-22 Constitutional Questions Involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution

on the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the State are discussed.

Seminary in Municipal Government, Miss Franklin.

Three hours a week throughout the year.

(Given in each year.)

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city manager forms, are considered in the early part of the course. A study of modern municipal administration follows, including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Psychological Seminary, Dr. Leuba.

Two hours a week throughout the year.

(Given in each year.)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.).

Seminary in Social Psychology, Dr. Leuba.

Two hours a week during the first semester.

(Given in each year.)

In 1919-20 and again in 1921-22 abnormal psychology, chiefly mental and moral deficiency, and its social implications; or temperament and character, their instinctive and emotional foundation, are the subject of the seminary.

In 1920-21 and again in 1922-23 the principles of social psychology and their applications to social problems are the subject of the seminary.

This seminary is open to students who have pursued an elementary course in psychology. It may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.

Two hours a week during the second semester.

(Given in each year.)

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in philosophy. It may be elected separately or may be combined with the seminary in Social Psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Educational Methods and Measurements, Dr. Castro.

Two hours a week throughout the year.

(Given in each year.)

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Intelligence Tests, Dr. Arlitt.

Two hours a week throughout the year.

(Given in each year.)

Laboratory Work in Intelligence Tests.*Four hours a week throughout the year.*

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Seminary in Applied Psychology, Dr. Rand.*Two hours a week throughout the year.***Laboratory Work.***Four hours a week throughout the year.*

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Applied Psychology, Dr. Rand.*Four hours a week throughout the year.**(Given in each year.)*

This course is offered in connection with the course in Applied Psychology to students who wish to pursue more advanced work.

Social Economy Journal Club, Dr. Kingsbury, Miss Bezanson, Dr. Deardorff and Miss Additon.

Two hours once a fortnight throughout the year.

Current books and articles are reviewed, recent reports, surveys, and investigations are criticized, and the results of important research are presented for discussion.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, and Dr. Ethel Ernestine Sabin, Associate in Philosophy.

The instruction offered in this department covers eighteen and a half hours of lectures a week: it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; and six hours a week of graduate work.

A course in philosophy, five hours a week throughout one semester, and a course in psychology, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in philosophy presupposes as much infor-

mation as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, mathematics, or physics.

A combination of five hours a week for one year of the minor course in philosophy with five hours a week for one year of the minor course in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

Required Course.

Introduction to Philosophy, Dr. Theodore de Laguna, Dr. Grace de Laguna and Dr. Sabin. *Five hours a week during the first semester.*

(Given in each year.)

(The class is divided into three sections and each section assigned to a different instructor.)

The course consists of discussions of certain fundamental problems of metaphysics based as far as possible upon recent philosophical literature. Every effort will be made to foster independence and sincerity of thought rather than to impress upon the students any system of philosophical dogmas.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Elementary Logic and Ethics, Dr. Theodore de Laguna. *Five hours a week.*

The equivalent of two hours a week for a semester is devoted to logic and the remainder to ethics. The instruction in logic covers the topics of definition, classification, the interpretation of propositions, the syllogism, the inductive methods, analogy and the use of hypotheses. In the lectures on ethics special attention will be given to the relations between moral standards and the persistent and developing requirements of social organization. This course was conducted by Dr. Sabin in the second semester in 1919-20.

2nd Semester.

History of Philosophy, Dr. Grace de Laguna.

Five hours a week.

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza; Leibniz, Locke, Berkeley, and Hume. This course was conducted by Dr. Theodore de Laguna in the first semester in 1919-20.

1st Semester.

SECOND YEAR.

From Kant to Spencer, Dr. Sabin.

Five hours a week.

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, John Stuart Mill, and Spencer.

2nd Semester.

Recent Philosophical Tendencies, Dr. Theodore de Laguna.

Five hours a week.

The object of this course is to give the student an introduction to the most important and significant recent movements of thought. Among the theories discussed are neo-realism, the pragmatism of James and Dewey, and the intuitionism of Bergson.

Group: Philosophy with Greek, or with Latin, or with English, or with Economics and Politics, or with Psychology, or with Mathematics, or with Physics, or with Geology; Philosophy and Psychology with Greek or with English or with Economics and Politics or with Mathematics or with Physics.

GRADUATE COURSES.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research. *Graduate Courses.*

A seminary in the history of philosophy is offered each year and a seminary in ethics and one in logic and metaphysics are offered in alternate years. A seminary in social and political philosophy is offered in the second semester of each year. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Ethical Seminary, Dr. Theodore de Laguna.

Two hours a week throughout the year.

In 1919-20 the subject is Recent French Ethics as represented by Durkheim, Levy-Bruhl, Fouillée, Belot, and Paulhan.

In 1921-22 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, will be the subject of the seminary. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

Seminary in the History of Philosophy, Dr. Theodore de Laguna.

Two hours a week throughout the year.

In 1920-21 the philosophy of Rousseau will be the subject of the seminary. In the first semester the political theory will be studied, and in the second semester the theories of education, art, morals, and religion.

In 1922-23 the philosophy of Plato will be discussed in the seminary. Special attention will be paid to the problem of the Socratic dialogues, and to the development of the theory of ideas.

Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.

Two hours a week during the second semester.

(Given in each year.)

The topics chosen for discussion vary from year to year. Prominent among them are: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Logic and Metaphysics, Dr. Grace de Laguna.

Two hours a week throughout the year.

In 1919-20 the subject of the seminary is English empiricism. Special attention is paid to its connection with associationism, and to the development of the theory of scientific method.

In 1921-22 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton is the subject of the seminary.

Seminary in the History of Philosophy, Dr. Sabin.

Two hours a week throughout the year.

In 1920-21 the philosophy of Kant will be the subject of the seminary. The principal writings of the critical period will be read and a careful study will be made of the final organization of Kant's system in the *Critique of Judgment*.

In 1922-23 Descartes and Spinoza will be studied with special reference to their view of the relation between idea and object.

Philosophical Journal Club, Dr. Theodore de Laguna, Dr. Grace de Laguna, and Dr. Sabin.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Applied Psychology, and Dr. Ethel Ernestine Sabin, Associate in Philosophy, Miss Mary Ruth Almack, Assistant Demonstrator in Experimental Psychology and Miss Istar Alida Haupt, Assistant Demonstrator in Applied Psychology.

The instruction offered in this department covers twenty-four and a half hours of lectures a week; it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective work and twelve hours a week of graduate work.

A course in psychology, five hours a week throughout one semester, and a course in philosophy, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in Greek, English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of five hours a week for one year of the

minor course in psychology with five hours a week for one year of the minor course in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

Psychology, Dr. Leuba and Dr. Sabin.

Five hours a week during the second semester.

(Given in each year.)

Required Course.

(The class is divided alphabetically into sections, one conducted by Dr. Leuba and one conducted by Dr. Sabin.)

The text-book used is Pillsbury's *Fundamentals of Psychology*. In connection with the lectures there are experimental demonstrations.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Experimental Psychology, Dr. Ferree and Dr. Rand.

Five hours a week.

Laboratory work, Dr. Ferree and Dr. Rand.

Four hours a week.

Major Course.

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Special stress is laid on the comparative study of methods. The laboratory work consists of individual practice in selected topics.

2nd Semester.

The Psychology of Instinct and Emotion, and Animal Behaviour, Dr. Leuba.

Five hours a week.

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

SECOND YEAR.

1st Semester.

(Given in each year.)

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science, and Art, Dr. Leuba.

Five hours a week.

(Open only to those students who have taken the minor course in psychology five hours a week in the second semester. Experimental psychology is not a prerequisite. May be taken as a free elective.)

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a community, a crowd, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology.

2nd Semester.

Applied Psychology, Dr. Rand.

Five hours a week.

Laboratory work, Dr. Rand.

Four hours a week.

(Open only to those students who have taken the minor course in psychology five hours a week during the first semester. May be taken as a free elective.)

The specific applications of psychology form the subject-matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of mental equipment and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Group: Psychology with Greek, *or* with English, *or* with Economics and Politics, *or* with Philosophy, *or* with Mathematics, *or* with Physics, *or* with Biology, *or* Philosophy and Psychology with Greek, *or* with English, *or* with Economics and Politics, *or* with Mathematics, *or* with Physics.

FREE ELECTIVE COURSE.

**Free
Elective
Course.**

Advanced Experimental Psychology, Dr. Ferree.

*Two hours a week throughout the year.**(Given in each year.)*

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will cooperate with the students in the solution of some original problems. A reading knowledge of French and German is required.

GRADUATE COURSES.

**Graduate
Courses.**

Twelve hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Psychological Seminary, Dr. Leuba.

*Two hours a week throughout the year.**(Given in each year.)*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology.)

Seminary in Social Psychology, Dr. Leuba.*Two hours a week during the first semester.**(Given in each year.)*

In 1919-20 and again in 1921-22 abnormal psychology, chiefly mental and moral deficiency, and its social implications; or temperament and character and their instinctive and emotional foundation will be studied.

In 1920-21 and again in 1922-23 the principles of social psychology and their applications to social problems are the subject of the seminary.

This seminary together with the seminary in Social Philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Seminary in Experimental and Systematic Psychology, Dr. Ferree.*Three hours a week throughout the year.**(Given in each year.)*

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Seminary in Research Methods and Problems, Dr. Ferree and Dr. Rand.*Three hours a week throughout the year.**(Given in each year.)*

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Seminary in Applied Psychology, Dr. Rand.*Two hours a week throughout the year.***Laboratory Work, Dr. Rand.***Four hours a week throughout the year.*

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults and adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests and their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reactions to the tests as well as practice in giving the tests. Later the work is with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Seminary in Special Laboratory Problems in Applied Psychology, Dr. Rand.*Four hours a week throughout the year.**(Given in each year.)*

This course is offered to students who have attended the seminary in Applied Psychology and wish to pursue more advanced work.

Psychological Journal Club, Dr. Leuba, Dr. Ferree, and Dr. Rand.*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.

The laboratory work consists of individual practice and research.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Matilde Castro, Professor of Education and Director of the Phebe Anna Thorne Model School, and Dr. Ada Hart Arlitt, Associate in Educational Psychology.

The work of the Graduate Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College and of other colleges of high standing under the general conditions prescribed for the degree of Master of Arts. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne Model School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as

they arise from day to day. Pupils are admitted to the primary department at six years of age and to the elementary course at nine or ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven or eight years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. It is believed that the opportunity of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

FREE ELECTIVE COURSES.

Education, Dr. Castro.

Two hours a week throughout the year.

(Given in each year.)

**Free
Elective
Courses.**

The course interprets modern educational problems from the standpoint of their social setting; develops the psychological principles underlying the technique of teaching and demonstrates their application; sketches the mental, moral, and physical development of children from infancy through adolescence; and discusses the treatment of children individually and in groups in school and extra-school activities.

It is conducted as a general survey course covering the subject-matter indicated, or various topics are stressed and studied more intensively according as the interests of the class vary from teaching to social work or to a more general interest in educational problems.

Experimental Educational Psychology, Dr. Arlitt.

Three hours a week throughout the year.

Laboratory Work, Dr. Arlitt.

Two hours a week throughout the year.

(Given in each year.)

In the first semester a study is made of sensori-motor learning, perceptual learning, and learning of the problem-solving type. Particular emphasis is laid on the conditions and methods of efficient study and on the training of memory.

In the second semester the course takes up the study of school subjects from the point of view of laboratory experimentation and a survey of the field of group and individual tests and educational scales and measurements.

GRADUATE COURSES.

In addition to four seminars in education, and a seminary in the study of children there are offered in each year observation classes in the Phebe Anna Thorne Model School. The Department of Education also conducts an Educational Clinic in which examinations are made and advice given in regard to cases of retardation in special school subjects, general retardation or any other maladjustment to school environment. Students electing education as their major subject for the degree of Doctor of Philosophy may elect educational psychology, educational methodology, economics, social economy, social psychology, or experimental and systematic psychology, as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

**Graduate
Courses.**

Seminary in Educational Methods and Measurements, Dr. Castro.*Two hours a week throughout the year.**(Given in each year.)*

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Educational Psychology, Dr. Castro.*Two hours a week throughout the year.**(Given in each year.)*

The seminary considers the main categories of educational psychology and studies especially the psychology of school and high school subjects. If the student's training in psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements either as a preliminary seminary or by special permission at the same time.

Seminary in Social Education, Dr. Castro.*Two hours a week during the first semester.**(Given in each year.)*

The essentials of educational theory and practice for social workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Research Problems in Educational Psychology, Dr. Castro and Dr. Arlitt.*Two hours a week throughout the year.**(Given in 1920-21 and in each succeeding year.)***Laboratory Work.***Four hours a week throughout the year.*

This seminary is open only to candidates for the degree of Doctor of Philosophy.

Seminary in Intelligence Tests, Dr. Arlitt.*Two hours a week throughout the year.**(Given in each year.)***Laboratory Work in Intelligence Tests, Dr. Arlitt.***Four hours a week throughout the year.*

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Journal Club in Education, Dr. Castro and Dr. Arlitt.*Two hours once a fortnight throughout the year.*

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

Classical Archæology.

The instruction in this department is under the direction of Dr. Rhys Carpenter, Professor of Classical Archæology, Dr. Wilmer Cave Wright, Associate Professor of Greek, and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology.

Two archæological seminaries of two hours a week each and a graduate lecture course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

Undergraduate courses of three hours a week and two hours a week are offered affording an introduction to the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Art and Life in Hellenistic Towns, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Architecture, Greek and Roman Minor Arts, and Ancient Painting and Vases. The elective courses in Greek Religion and Greek Myths and Literary Geography of Greece and Asia Minor may be substituted for the courses in Hellenistic Towns and Ancient Rome.

The undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison. In connection with graduate courses the students have access to the collections belonging to the department containing replicas of Greek and Roman coins, facsimiles of gems and seals, and a collection of original vase fragments, many of which are by known masters.

FIRST YEAR.

(*Minor Course.*)

Greek Sculpture, Dr. Carpenter.

Three hours a week throughout the year.

(*Given in each year.*)

**Major
Course.**

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Art and Life in Hellenistic Towns, Dr. Carpenter.

Two hours a week during the first semester.

(*Given in each year.*)

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Ancient Rome, Dr. Swindler.

Two hours a week during the second semester.

(*Given in each year.*)

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

Greek Religion and Greek Myths, Dr. Wilmer Cave Wright.

*Two hours a week during the first semester.**(Given in 1919-20 and again in 1921-22.)*

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

Literary Geography of Greece and Asia Minor, Dr. Wilmer Cave Wright.

*Two hours a week during the second semester.**(Given in 1919-20 and again in 1921-22.)*

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history.

SECOND YEAR.

*(Minor Course.)*Ancient Architecture, Dr. Carpenter. *Three hours a week throughout the year.**(Given in 1919-20 and in each succeeding year.)*

An introductory outline of Egyptian, Cretan, and Mycenaean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times.

Greek and Roman Minor Arts, Dr. Carpenter.

*Two hours a week during the second semester.**(Given in 1919-20 and in each succeeding year.)*

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silverware, and similar objects, mainly for their artistic and cultural interest. The first six lectures deal with Cretan and Mycenaean art. This course supplements that on Greek vase-painting given in the first semester.

Ancient Painting and Vases, Dr. Swindler.

*Two hours a week during the first semester.**(Given in each year.)*

The course traces the development of ancient painting. The material studied includes Egyptian and Cretan frescoes, Greek vases, Pompeian wall paintings and the paintings from Etruscan sites.

Group: Classical Archæology with Greek or with Latin.

GRADUATE COURSES.

Graduate Courses.

Two seminaries in archæology, a graduate course, and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Archæological Seminary, Dr. Carpenter. *Two hours a week throughout the year.*

This course is open only to graduate students who have had some previous training in classical archaeology. The order of the subjects may be changed in accordance with the needs of the students.

In 1919-20 Greek architecture is studied.

In 1920-21 fifth century Greek sculpture will be the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

In 1921-22 Greek minor arts (coins, gems, terra-cotta) will be studied.

In 1922-23 Greek Architecture will be studied in the first semester, and Roman architecture in the second semester.

Greek Epigraphy, Dr. Carpenter.

One hour a week throughout the year.

(Given in 1920-21 and in each succeeding year.)

In the first semester the origin of the Greek alphabet and the epichoric forms are studied. Roehl's *Imagines* and Part I of Robert's *Introduction to Greek Epigraphy* are used as textbooks. In the second semester a variety of inscriptions of artistic and topographic interest are read. The emphasis is archæological rather than linguistic or politico-historical.

Archæological Seminary, Dr. Swindler.

Two hours a week throughout the year.

In 1920-21 Etruscan and Roman Archæology will be the subject of the seminary. A survey of Etruscan sites and monuments will be followed by a study of the monuments of Rome from the earliest times down to the Age of Constantine.

In 1921-22 the subject of the seminary during the first semester will be Aegean Archæology with emphasis on the recent discoveries in Crete. During the second semester the subject will be Ancient Painting, including a detailed survey of Cretan frescoes, painted plaques, stelæ, and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration, and the mummy portraits from the Fayum.

Archæological Journal Club, Dr. Carpenter and Dr. Swindler.

One and a half hours a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King,* Professor of the History of Art, Dr. Arthur Edwin Bye, Lecturer in the History of Art, and Miss Helen E. Fernald, Instructor in the History of Art.

A seminary of two hours a week and a journal club of one hour a week are offered to graduate students who have done elementary work in history of art. In addition individual students will be directed in special work by means of private conferences.

*Granted leave of absence for the year 1919-20. The courses announced by Professor King are given during her absence by Dr. Arthur Edwin Bye.

The undergraduate work is divided into courses of three hours a week and two hours a week on painting, sculpture and architecture.

All the courses except the course in Chinese and Japanese Art (which is illustrated with photographs) are illustrated with lantern slides, and photographs are available for review and comparison.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.*

Three hours a week throughout the year.

(May be taken as a free elective.)

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture, Miss King.*

Two hours a week throughout the year.

(May be taken as a free elective.)

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

SECOND YEAR.

(*Given in each year.*)

Painting in the Seventeenth and Eighteenth Centuries, Miss Fernald.

Three hours a week throughout the year.

In the first semester the Dutch, German, and Flemish painters are studied, in the second semester the French, Spanish, and English. The course is illustrated with photographs and lantern slides.

Renaissance Sculpture, Miss King.*

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the finishing of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

Group: History of Art with French, or with Italian, or with Spanish, or with German, or with History.

FREE ELECTIVE COURSES.

Free Elective Courses.

Minor Arts of the Middle Ages, Miss King.*

Two hours a week throughout the year.

(*Given in 1920-21.*)

The lectures deal, in succession, with ivories, miniatures, enamels, stained glass, metal work, wood-carving and architectural sculpture, from the decline of Roman art until

* See footnote, page 123.

the beginning of the Renaissance. Photographs and other reproductions are provided for study and reference is made to pieces in museums and other collections accessible during the college year and in vacations. Students electing the course are expected to read at least one foreign language.

Renaissance Architecture, Miss King.* *Two hours a week throughout the year.*

(Given in 1922-23.)

The architecture of the Italian Renaissance is studied in the first semester, that of France, Germany, Spain and England in the second semester. Lantern slides and photographs are used for illustration.

Chinese and Japanese Art, Miss Fernald.

Two hours a week throughout the year.

(Given in each year.)

The aim of the course is to give a comprehensive view of the art of China and Japan from the most ancient bronzes of China to the late school of Japanese colour prints. Emphasis, however, will be laid upon painting, especially the great art of the T'ang and Sung dynasties in China, which is taken up in the first semester. In the second semester painting in Japan is considered, with special attention to the work of Sesshiu and his followers, that of the Kano and Korin schools, and to the school of Japanese colour prints. It is illustrated with photographs, Shimbi Shoin reproductions, and also some originals.

POST-MAJOR COURSES.

Modern Painting, Miss King.* *Three hours a week throughout the year.*

(Given in 1919-20 and again in 1921-22.)

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. It deals with the history of painting since 1800 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures, as often as may seem necessary.

**Post-
Major
Courses.**

Spanish Painting, Miss King.* *Three hours a week throughout the year.*

(Given in 1920-21 and again in 1922-23.)

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting will be considered from the early miniature painters down to living painters. Students will be expected to learn something about Spanish history and characters and to make short trips to see paintings on exhibition in the United States.

GRADUATE COURSES.

Two hours a week of seminary work are offered each year to graduate students of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students.

**Graduate
Courses.**

* See footnote, page 123.

Seminary in Modern Art, Miss King.* *Two hours a week throughout the year.
(Given in each year.)*

In 1919-20* the subject of the seminary is Mediæval Art from the sixth to the sixteenth centuries.

In 1920-21 the subject will be Spanish Painting after 1550.

In 1921-22 the subject will be the Theory and Practice of Connoisseurship. The Morelian method will be examined and appraised, the value of documentary evidence discussed, and the different conditions affecting the study of different schools considered. Students will have access to a large collection of photographs and several private collections of paintings.

In 1922-23 the subject is Modern Art from the commencement of the romantic movements to the contemporary theories. Students are expected to be familiar already with the Old Masters, and to read French and German. Arrangements will be made for trips to Philadelphia and New York to study new pictures. The arrangement of these subjects may be changed in accordance with the needs of the students.

Journal Club in Modern Art, Miss King* and Miss Fernald.

Two hours once a fortnight throughout the year.

The instructors and the graduate students meet for the presentation and discussion of current literature on the History of Art.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Anna Johnson Pell, Associate Professor of Mathematics.

The instruction offered in mathematics covers twenty and a half hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work, one hour a week of free elective work, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

Preparatory Course.

The two hour course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective. It is required for admission to the major course in physics. An exami-

* See footnote, page 123.

nation for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Analytical Conics, Dr. Scott.

Three hours a week.

Trigonometry, including Series, Dr. Scott.

Two hours a week.

**Major
Course.**

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

2nd Semester.

Elementary Differential and Integral Calculus, Dr. Pell. Three hours a week.

Algebra and Theory of Equations, Dr. Pell.

Two hours a week.

The three hour and two hour courses in this semester may not be elected separately.

SECOND YEAR.

1st Semester.

(Given in each year.)

Differential and Integral Calculus and Differential Equations, Dr. Pell.

Three hours a week.

Theory of Equations, Determinants, Dr. Pell.

Two hours a week.

2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott. Three hours a week.

Analytical Geometry of two and three Dimensions, Dr. Scott.

Two hours a week.

The three hour and two hour courses in each semester may not be elected separately.

Group: Mathematics with Greek, or with Latin, or with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Physics, or with Chemistry, or with Geology, or with Biology.

FREE ELECTIVE COURSES.

Graphic Mathematics, Dr. Scott.

One hour a week throughout the year.

(Given in alternate years when the time of the department permits.)

**Free
Elective
Courses.**

The course deals with statistical work, standard graphs and interpolation. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

One hour a week throughout the year.

(Given in alternate years when the time of the department permits.)

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately.

rately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics.

Mathematics Preparatory to Science. *Two hours a week throughout the year.*

(Given in each year when the time of the department permits.)

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following, with occasional modifications.

In 1919-20 the following post-major courses are offered:

Lectures on Modern Pure Geometry, Dr. Scott.

Two hours a week throughout the year.

Theory of Functions of a Complex Variable, Dr. Pell.

Two hours a week throughout the year.

Differential Equations, Ordinary and Partial, Dr. Pell.

One hour a week throughout the year.

In 1920-21 the following post-major courses are offered:

Special Topics in Geometry, Dr. Scott. *Two hours a week throughout the year.*

Lectures on special topics in geometry, such as homogeneous coordinates, circular coordinates, families of curves, certain transcendental curves, geometrical transformations, etc.

General Course in Analysis, Dr. Pell. *Two hours a week throughout the year.*

This course deals with the development of subjects such as determinants, infinite series, Fourier series, definite integrals, etc.

Elementary Theory of Numbers, Dr. Pell. *One hour a week throughout the year.*

In 1921-22 the following post-major courses are offered:

Modern Analytical Geometry, Dr. Scott. *Two hours a week throughout the year.*

Lectures introductory to modern analytical geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

Lectures Introductory to Modern Algebra, Dr. Pell.

Two hours a week throughout the year.

The properties of polynomials, linear dependence, elimination, transformations, invariants, and canonical forms are discussed.

Calculus of Finite Differences and Theory of Probability, Dr. Pell.

One hour a week throughout the year.

GRADUATE COURSES.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The subjects vary from year to year so that the seminaries may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Graduate Courses.

Mathematical Seminary, Dr. Scott. *Two hours a week throughout the year.*

(Given in each year.)

In 1919-20 Theory of Surfaces and Space curves is the subject of the seminary. The subject is treated from the projective (analytical) point of view without any consideration of the development of differential geometry. The work of the first semester deals with the general theory; detailed investigations of different classes of curves are reserved for the second semester.

In 1920-21 Differential Geometry of Curves and Surfaces will be studied in the seminary. While Eisenhart's book will be taken as a guide it is expected that the work will be connected with that of Darboux.

In 1921-22 Topology of Plane Algebraic Curves will be the subject of the seminary. Seminary work in Transcendental Curves will be offered if needed.

Mathematical Seminary, Dr. Pell. *Two hours a week throughout the year.*

(Given in each year.)

In 1919-20 Theory of Functions of a Complex Variable including Riemann's surfaces and elliptic functions is the subject of the seminary.

In 1920-21 the Theory of Linear Differential Equations will be taken up including existence theorems, properties of solutions, boundary value, oscillation and expansion problems.

In 1921-22 Calculus of Variations and Integral Equations will be studied.

Mathematical Journal Club, Dr. Scott and Dr. Pell.

One hour a fortnight throughout the year.

The Journal Club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes, Dr. Roger Frederic Brunel, Dr. James Llewellyn Crenshaw, Dr. Sumner Cushing Brooks, Mr. Malcolm Havens Bissell,

Miss Sue Avis Blake, Miss Mary Jane Guthrie, and Miss Gertrude Williams.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories are open for students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,* and it is easy for a student to elect a course corresponding exactly to the Preliminary Medical

*** REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.**

"As candidates for the degree of Doctor of Medicine the school receives:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University. (Group V.)
2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry, and physics as may be obtained by a year's course in these subjects when accompanied by laboratory work.†
3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† **BIOLOGY.**—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

CHEMISTRY.—The minimum requirement is a one year course, including five hours of laboratory work a week throughout the year, covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry." Students will be required to present evidence that in addition to these requirements they have had an elementary course in organic chemistry, including at least 25 to 30 lectures and 90 to 100 hours of laboratory work.

PHYSICS.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology and chemistry for two years.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Professor of Physics, and Miss Sue Avis Blake, Demonstrator in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one or two hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major courses in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

LATIN.—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of *Cæsar* or their equivalent.

Similar requirements are made for admission to the Medical College of Cornell University.

The Woman's Medical College of Pennsylvania admits students of Bryn Mawr College who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Woman's Medical College presented to Bryn Mawr College in 1910 a scholarship giving free tuition and renewable for the four years of the college course to be awarded to a graduate of the college.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Reed and Guthe's *College Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.

1st Semester.

(Given in each year.)

Theoretical Mechanics, Theory of Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Mathematics, or with Chemistry, or with Geology, or with Biology.

FREE ELECTIVE COURSES.

Physical Basis of Music, Dr. Huff. *One hour a week throughout the year.*
(Given in 1920-21 and again in 1922-23.)

**Free
Elective
Courses.**

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

Historical Development of Physics, Dr. Huff.

One hour a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

**Post-
Major
Courses.**

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*
(Given in 1919-20.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff. *Three hours a week during the second semester.*
(Given in 1919-20.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

(Given in 1921-22.)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

General Optics, Dr. Barnes. *Three hours a week throughout the year.*

(Given in 1920-21.)

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Spectroscopy, Dr. Barnes. *Three hours a week during the first semester.*

(Given in 1922-23.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics, Dr. Barnes. *Three hours a week during the second semester.*

(Given in 1922-23.)

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

GRADUATE COURSES.

Graduate Courses.

The graduate seminaries consist of lectures, laboratory work, and original research under the direction of the instructors, the subjects varying from year to year so that the seminaries may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Physical Seminary, Dr. Huff. *Three hours a week throughout the year.*

(Given in alternate years.)

In 1920-21 Mathematical Theory of Electricity and Magnetism is the subject discussed. The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

In 1922-23 Radio-activity and Discharge of Electricity through gases is the subject of the seminary in the first semester and Electron Theory in the second semester. The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given. In the Electron Theory the mathematical development of the subject is first dealt with and this is followed by experimental tests of theory.

Physical Seminary, Dr. Barnes.*Three hours a week throughout the year.**(Given in alternate years.)*

In 1919-20 the seminary deals with a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the seminary.

In 1921-22 Thermo-dynamics and Radiation are the subjects of the seminary. The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Physical Journal Club, Dr. Huff and Dr. Barnes.*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Professor of Chemistry, Dr. James Llewellyn Crenshaw, Associate Professor of Physical Chemistry, and Miss Gertrude Williams, Demonstrator in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in inorganic chemistry, and qualitative analysis.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

**Major
Course.**

Introduction to General Chemistry, Dr. Brunel.

Three hours a week.

Laboratory Work, Dr. Brunel.

Six hours a week.

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. After all the experiments on a given subject have been carried out the results are discussed in the class-room.

2nd Semester.

The Chemistry of the Metals, Dr. Crenshaw.

Three hours a week.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading.

The laboratory work consists of qualitative analyses. The students are first taught to identify the basic and acidic constituents in solutions; later they are required to carry out analyses of alloys and minerals.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on Elementary Physical Chemistry, Dr. Crenshaw.

Three hours a week.

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria. Private reading and outside preparation amounting to at least three and a half hours is required.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2nd Semester.

Organic Chemistry, Dr. Brunel.

Three hours a week.

The methods of preparation and the behaviour of the various classes of organic compounds are studied. Particular emphasis is laid on the relation between the arrangement of atoms within the molecule and the behaviour of the compounds, and on the processes of reasoning by which the constitution of organic compounds is established.

Laboratory Work, Dr. Brunel.

Seven hours a week.

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

Group: Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Post-Major Courses.

Organic Chemistry, Dr. Brunel.

Two hours a week throughout the year.

(Given in each year.)

The course consists of lectures, assigned reading with occasional reports, and laboratory work. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Physical Chemistry, Dr. Crenshaw.

Two hours a week throughout the year.

(Given in each year.)

The aim of the lectures is to extend the student's knowledge of physical chemistry and to lay a foundation for independent work in this subject. The lectures are supplemented by assigned reading and reports and are intended to give a general outline of the subject. The solution of a large number of problems is required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry, Dr. Crenshaw.

One hour a week throughout the year.

(Given in each year.)

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

Graduate Courses.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw, but students who elect organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Chemical Seminary, Organic Chemistry, Dr. Brunel.

*One hour a week throughout the year.**(Given in each year.)*

This is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Chemical Seminary, Inorganic Chemistry, Dr. Crenshaw.

*One hour a week throughout the year.**(Given in each year.)*

The work of the seminary consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Advanced Organic Chemistry, Dr. Brunel. *One hour a week throughout the year.**(Given in each year.)*

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest. In the year 1920-21 a considerable part of the time will be spent upon the carbohydrates.

Students counting this course as the equivalent of a seminary will be required to do enough laboratory work, to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Physical Chemistry, Dr. Crenshaw.

*Two hours a week throughout the year.**(Given in each year.)*

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work will consist of physico-chemical research.

Chemical Journal Club, Dr. Brunel, Dr. Crenshaw, and Miss Williams.

One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Mr. Malcolm Havens Bissell, Instructor in Geology

The instruction offered in geology covers twenty hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate major and minor work, three free elective courses of two hours and one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminaries of three hours a week, but all these courses will not be given in the same year.

The purpose of the major course in geology is to make clear to the student the constitution and history of the earth and

the processes which have been operative in its evolution. The first year of the major course is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The second year of the major course deals with rocks and minerals, and with their arrangement in the lithosphere.

Post-major courses in petrography or mineralogy, economic geology, stratigraphy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species, in the genesis of ores and in the principles of stratigraphy and paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Physiography, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

**Major
Course.**

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by these forces; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographic relief models, and maps.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted by means of practical exercises and the use of topographic maps and models.

For the field work, excursions are made into the immediate neighbourhood during the autumn and spring. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2nd Semester.

Introduction to Historical Geology, Mr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Mr. Bissell.

Six hours a week.

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania, and to the Mesozoic and Cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Lithology, Mr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Mr. Bissell.

Six hours a week.

The lectures discuss the materials which constitute the earth's crust; the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory the students become familiar with methods for the rapid determination of the most common and most important rock forming and ore minerals; this is followed by a systematic study of the principal rock types.

Field excursions are made to mineral localities in the vicinity of the college.

2nd Semester.

Glaciology and Structural Geology, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

The lectures treat of the evidences, conditions, and causes of the glacial period; the development of man; the causes and effects of earth movements; the origin and age of the earth. The course is illustrated with models, photographs, and lantern slides.

In the laboratory topographic maps, geologic folios, and models illustrating features due to glaciation and folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Economics and Politics, or with Philosophy, or with Mathematics, or with Physics, or with Chemistry, or with Biology.

FREE ELECTIVE COURSES.

*Free
Elective
Courses.*

Cosmogony, Dr. Bascom.

*One hour a week throughout the year.**(Given in 1920-21 and in 1922-23 if the time of the department permits.)*

The work of the course is conducted by means of lectures, required reading, and classroom discussion. The lectures treat of the origin of the earth, the growth of the conti-

nents and the development of landscape, and are illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research. It will be given only if elected by a sufficient number of students.

Mineral Resources of the World, Mr. Bissell.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The course consists of a non-technical discussion of the world's mineral resources: their nature, mode of occurrence, geographical distribution, extent and uses. The metallic ores are first discussed, particularly iron, copper, gold, silver, lead and zinc, but the rarer elements also receive attention. Among the non-metals, coal, oil and gas, and water supply are the most important topics treated. The emphasis throughout the course is placed mainly on the geographic, economic and political significance of mineral resources rather than the technical aspects, and particular attention is paid to the problems of the United States.

Principles of Modern Geography, Mr. Bissell.

Two hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

In this course the scope of the modern science of geography and the fundamental principles upon which it is based will be discussed and illustrated. The physical environment of man will be first considered, and the manner in which this environment has influenced the growth and expansion of races and nations, the development of systems of government and philosophy, and the rise of commerce and industry will then be illustrated. The logical sequence of cause and effect will be particularly emphasized, and every effort will be made to encourage independent thought on the part of the student. A considerable amount of private reading is required.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Post-Major Courses.

Petrography, Dr. Bascom.

Three hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated. Practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Determinative Mineralogy, Dr. Bascom.

Two hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis is placed on crystal forms and practice is given in the use of the two-circle contact goniometer.

Economic Geology, Mr. Bissell.

Two hours a week throughout the year.

(Given in 1919-20 and again in 1921-22.)

The origin and geological occurrence of the useful minerals are treated in considerable detail, particular attention being given to the metallic ores.

Stratigraphy and Paleontology, Mr. Bissell.*Three hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

The work of the first semester consists largely of lectures and assigned reading, and is devoted to a thorough study of the principles of sedimentation. This is followed by a consideration of the laws governing the distribution of organisms in time and space.

In the second semester the lectures deal with the evolution of the continents and seas as shown by the record of the sedimentary rocks and their fossils. The successive formations of North America are studied in order, and ancient physiographic conditions deduced as accurately as possible. Particular attention is paid to the evolution of life through the different geological periods and the changes of environment controlling it. In the laboratory the typical fossils of each formation are studied, and the student is required to learn the guide fossils of the more important geological horizons.

GRADUATE COURSES.**Graduate Courses.**

The seminary in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate seminary in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate seminary in physiography is designed primarily for graduate students wishing to make physiography a major subject for the degree of Doctor of Philosophy. Further graduate seminaries in petrology and physiography will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and physiography, under the direction of Mr. Bissell, but students who make inorganic geology the major subject of examination must take either physiographic geology, inorganic chemistry, or crystallography as the associated minor and students who elect physiographic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Seminary in Petrology and Crystallography, Dr. Bascom.*Three hours a week throughout the year.**(Given in each year.)*

This seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students and is varied from year to year. In crystallography direction is given in crystal measurement with the two-circle goniometer, in crystal projection, and crystal drawing. The seminary involves as much laboratory work as the time of the student permits.

Seminary in Physiography, Mr. Bissell.*Three hours a week throughout the year.**(Given in each year.)*

A broad study of the physiographic cycle forms the basis of this course. The general principles governing the development of land forms are applied to various physiographic types, and the evolution of surface features under the control of climate and geologic structure is studied in considerable detail. This is followed by a study of definite regions illustrating the application of physiographic principles to problems of structural, economic and stratigraphical geology. Lectures, outside reading, reports, map work and field excursions are the methods of instruction. Research problems will be taken up if time permits.

Geological Journal Club, Dr. Bascom and Mr. Bissell.

Two hours once a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Sumner Cushing Brooks, Associate Professor of Physiology and Biochemistry, and Miss Mary Jane Guthrie, Demonstrator in Biology.

The instruction offered in biology covers twenty-three hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate minor and major work; one hour a week of free elective work; six hours a week of post-major work, open to graduates and to undergraduates that have completed the major course in biology, and six hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is desirable for students entering any course in biology, and is necessary for advanced work in the subject.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Lectures on General Biology, Dr. Tennent.

Three hours a week.

Laboratory Work, Dr. Tennent and Miss Guthrie.

Six hours a week.

**Major
Course.**

2nd Semester.

Lectures on General Biology, Dr. Tennent and Dr. Brooks.

Three hours a week.

Laboratory Work, Dr. Tennent, Dr. Brooks, and Miss Guthrie.

Six hours a week.

The object of this course is to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to treat plants and animals with constant reference to one another, both as to structure and mode of action. Emphasis is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student studies a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher animals and plants. In the second semester attention is given mainly to the biology of the higher animals. Two-thirds of the semester is devoted to a study of the morphology and physiology of vertebrates; the remainder of the semester to a study of the embryology of the frog and, in greater detail, that of the chick.

SECOND YEAR.

1st Semester.

(Given in each year.)

General Physiology, Dr. Brooks.

Three hours a week.

Laboratory Work, Dr. Brooks and Miss Guthrie.

Six hours a week.

The instruction in general physiology consists of lectures upon the more important life processes of the higher plants and animals, supplemented by experiments in the laboratory, oral reports, and written quizzes.

2nd Semester.

General Zoology, Dr. Tennent and Dr. Brooks.

Three hours a week.

Laboratory Work, Dr. Tennent, Dr. Brooks, and Miss Guthrie.

Six hours a week.

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life, the first nine weeks being devoted to a consideration of the morphology of the invertebrates and the remainder of the semester to a study of selected topics in physiology. Part of the course is devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.

FREE ELECTIVE COURSE.

Theoretical Biology, Dr. Tennent.

*One hour a week throughout the year.**(Given in each year.)***Free
Elective
Course.**

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. Special attention is given to theories of evolution and heredity. A considerable amount of assigned reading is required.

POST-MAJOR COURSES.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.

*One hour a week during the first semester.**(Given in 1919-20 and again in 1921-22.)***Post-
Major
Courses.**

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

Experimental Morphology, Dr. Tennent.

*One hour a week during the second semester.**(Given 1919-20 and again in 1921-22.)*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. This course is to be taken with four hours laboratory work as a two-hour course.

Embryology of Vertebrates, Dr. Tennent. *One hour a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Pig. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Biochemistry, Dr. Brooks.

*Two hours a week throughout the year.**(Given in 1919-20 and again in 1921-22.)*

This course consists of lectures and assigned reading upon the substances recognizable as constituents of the plant or animal body and in its food and waste products, and of laboratory study of their recognition, isolation, and quantitative determination. At least four hours of laboratory work a week is required.

Emphasis is laid upon the study of substances and their relations to each other, rather than upon processes and their physiological dynamics. A preliminary training in chemistry at least equivalent to that obtained in the minor course is requisite.

Advanced General Physiology,*

*Two hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

This course consists of lectures and assigned reading upon the physical chemistry of cells and tissues; and of laboratory work designed to acquaint the student with modern methods of studying vital phenomena. At least four hours of laboratory work is required.

* This course will be given by an instructor whose appointment will be announced later.

Emphasis is laid upon processes and their physiological dynamics rather than upon substances and their chemical relationships. A preliminary training in chemistry at least equivalent to that obtained in the minor course is requisite.

Laboratory Work, Dr. Tennent and Dr. Brooks.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

GRADUATE COURSES.

Graduate Courses.

Nine hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in physiology under the guidance of Dr. Brooks.

Seminary in Zoölogy, Dr. Tennent.

Three hours a week throughout the year.

(Given in each year.)

In 1919-20 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

In 1920-21 Cytology will be the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1921-22 Embryology of Invertebrates is the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

Seminary in Physiology and Biochemistry, Dr. Brooks.

Three hours a week throughout the year.

(Given in each year.)

In 1919-20 the effects of electrolytes upon cells and tissues is the subject studied. Special attention is devoted to such topics as their influence upon growth, respiration, and permeability, and their relation to bioelectric phenomena.

In 1920-21* immunochemistry will be treated. The work will deal mainly with the relation between immune phenomena and the organic and physical chemistry of those body constituents, such as blood, blood cells, serum, and the like, upon which immunity depends.

In 1921-22* Ferments will be studied. Attention will be given to the various theories of catalysis and enzyme action, of the specific relations between ferment and substrate, and similar questions.

The order of the subjects may be varied to meet the needs of the students.

* This seminary will be given by an instructor whose appointment will be announced later.

Biological Journal Club, Dr. Tennent and Dr. Brooks.

One hour a week throughout the year.

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent and Dr. Brooks.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, Committee Chairman, the Director of Gymnastics and Athletics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Resident Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs, and general health. The Physician in Chief of the College acts as consultant and is referred to in all unusual cases. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Resident Physician will be in her college office during the hours from eight to eight-thirty a. m. and from four to half past five of every day except Sunday and may be consulted by the students without charge.

Graduate students elected to fellowships or scholarships and also all other graduate students who are admitted to the college are medically examined and are required to comply with the health directions of the college physicians and register regular exercise. Holders of fellowships and scholarships who are found to be suffering from uncorrected eye trouble will be expected to follow the oculist's advice.

All students who are not on the medical supervision list of the attending physicians on account of illness are under the

immediate care of the Director of Athletics and Gymnastics. She receives the reports of students on the medical supervision list, keeps careful records of the health of all students and endeavours by lectures, interviews, required exercise, and advice on general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to attend. A more advanced course of eight lectures on social hygiene is given each year by a woman physician which seniors are required to attend.

The infirmary fee of \$10.00 paid by every resident student entitles her to be cared for in the infirmary for four days (not necessarily consecutive) during the year without paying extra fees for nurses or for attendance by the college physicians, and also to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of more than four days' duration and also in the case of all diseases of an infectious character the student must meet, or in case of two or more students with the same infectious disease must share, the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges should she be removed from the college by order of the Physician in Chief. During the four days specified above the attendance fees of the college physicians are paid by the college. All fees after this time must be paid by the student.

A special nurse for one student costs \$6.75 per day (nurse's fee \$5.00, board \$1.40, laundry .35) or \$47.00 per week (nurse's fee \$35.00 per week, board \$10.00, laundry \$2.00). The infirmary fee is \$3.00 per day. It is often possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing. When a student has not an infectious disease the infirmary fee of \$3.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will

excuse students for absence before and after vacations on account of serious illness and from attendance on academic work during the time that they are in the infirmary or seriously ill at home.

Physical Training.

The Physical Training of the students is under the direction of Miss Constance M. K. Applebee, Director of Gymnastics and Athletics, and Miss Constance Eleanor Dowd, Assistant to the Director of Gymnastics and Athletics.

Physical Training amounting to three hours a week throughout the year, divided into five periods a week, is required of all resident and non-resident undergraduates and hearers. During the year the following classes and games are organized by the Department of Physical Training in co-operation with the Athletic Association of the students:

In the Autumn: Company drills, hockey, tennis, swimming.

In the Winter: Classes in fencing, gymnastics, interpretative and folk dancing, community singing, swimming and water polo, soccer.

In the Spring: Basketball, tennis, track, out-of-door dancing.

All undergraduates must take part in some of the classes and games mentioned above, and every undergraduate is required to take weekly swimming lessons until able to pass the required swimming test. For certain students corrective exercises are prescribed and must be taken under the direction of an instructor trained in medical corrective work. No undergraduate will be excused from any of the requirements except by order of the Director. The regulation gymnasium suit or athletic costume must be worn for all gymnastics or athletics.

A fee of three dollars a year is charged to each resident undergraduate, and seventy-five cents a semester to each non-resident undergraduate and to each resident graduate student for the up-keep of the athletic fields.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighbourhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. Bryn Mawr is connected with Philadelphia by frequent electric trains on the Pennsylvania Railroad and by an electric trolley running every twenty minutes. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The Donors' Library, the gift of the friends, graduates, and students of the college, was begun in April, 1903, and completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side is the Art and Archaeological Seminary, containing collections of photographs, vases, and coins. The main building contains the Stack, the New

Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Book Room, the Christian Association Library, two professors' offices, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and thirty-one professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art and Archæology, French and Italian and Spanish, German, Semitic Languages, Philosophy and Education in the north wing; Mathematics, History, Economics, Carola Woerishoffer Department of Social Economy and Social Research, and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the two senior professors in each department adjoin the seminary rooms. There are also a general lecture-room accommodating forty-two students, and three interview rooms. On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. On the first floor of the north wing the department of Education has an experimental research laboratory. The basement of the north wing contains another experimental laboratory of the department of Education, two interview rooms, a room for the Monograph Committee of the Faculty, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M. till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the

scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

The new gymnasium, erected on the site of the first gymnasium as a gift of the Athletic Association, the *alumnæ* and thirteen neighbours of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. The roof, 50 feet wide by 90 feet long, is used for gymnastic drills and students' entertainments. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and an assistant.

On the grounds, separated from other buildings, is the 1905 Infirmary. It was opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

Plans and descriptions of Taylor Hall, Donors' Library, Dalton Hall, the Gymnasium, the 1905 Infirmary and the six halls of residence, are published in Part 4 of the Bryn Mawr College Calendar and may be obtained from the Secretary and Registrar of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East. There is a club-room for non-resident students in Rockefeller Hall and also rooms where the students can have hairdressing and dressmaking done.

The Phebe Anna Thorne Open Air Model School of the

department of Education is situated on the campus and has its own school building with out-of-door class rooms and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils and every room in the college has separate thermostatic control. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees day and night in all the bathrooms and stationary wash-stands and tea pantries.

Telephone pay stations by means of which the students may be reached at any time are maintained in the library, gymnasium, infirmary and in each of the halls of residence. The Western Union Telegraph and Cable Company delivers telegrams between the hours of 6 A. M. and 12 P. M. Near the college there are a United States money-order office, two banks and an office of the American Railroad Express.

LIBRARIES.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past thirty-five years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about ninety thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the

late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 53 and 88.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, Greek, French, Italian, Spanish, German, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

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|---|---|
| Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München. | *Japan Society Bulletin. |
| *Amherst Graduates' Quarterly. | *Johns Hopkins University, Circulars. |
| Asia. | Larousse mensuel illustré. |
| Athenæum. | Library Journal. |
| Atlantic Monthly. | Literary Digest. |
| Bookman. | Living Age. |
| Bookman (English). | Mercure de France. |
| Bookseller. | Mind and Body. |
| *Bryn Mawr Alumnae Quarterly. | *Monthly Bulletin of the Carnegie Library of Pittsburgh. |
| Bulletin of Bibliography. | Münchener allgemeine Zeitung. |
| *Bulletin of the New York Public Library. | Mundo Grafico. |
| *Bulletin of the Pan-American Union. | Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen. |
| Il Carroccio. | Nation. |
| Century. | Nation (English). |
| Contemporary Review. | Neue Rundschau. |
| Cumulative Book Index. | New Country Life. |
| Deutsche Rundschau. | New Republic. |
| Dial. | New Statesman. |
| Drama. | New York Times Index. |
| Les Écrits Nouveaux. | Nineteenth Century. |
| Edinburgh Review. | North American Review. |
| English Review. | Notes and Queries. |
| La Esfera. | Nuevo Mundo. |
| Fortnightly Review. | Nuova Antologia. |
| Forum. | Outlook. |
| La France. | *Pennsylvania Library Notes. |
| Göttingische Gelehrte Anzeigen. | Preussische Jahrbücher. |
| Harper's Monthly Magazine. | Public Affairs Information Service Bulletin. |
| Harvard Graduates' Magazine. | Publishers' Weekly. |
| Harvey's Weekly. | Punch. |
| L'Illustration. | Quarterly Review. |
| L'Illustrazione Italiana. | Reader's Guide to Periodical Literature. |
| Independent. | The Review. |
| Inter-America. | Review of Reviews. |
| Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen. | *Revista del Mundo. |

* Presented by the Publishers.

Revue Critique d'Histoire et de Littérature.
 Revue de Paris.
 Revue des Deux Mondes.
 Revue Politique et Littéraire; Revue Bleue.
 Saturday Review.
 Scientia.
 Scribner' Magazine.
 Sewanee Review.
 Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.

Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.
 Spectator.
 Der Türmer.
 *University of California, Publications.
 *University of Colorado, Studies.
 *University of Missouri, Studies.
 *University of Nebraska, Studies.
 *University of Nevada, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Die Woche.
 World's Work.

Newspapers.

*College News, Bryn Mawr.
 Corriere della Sera.
 *Home News, Bryn Mawr.
 London Times.

New York Times.
 Philadelphia Public Ledger.
 La Prensa.
 La Tempo.

Art and Archæology.

American Journal of Archæology.
 Art and Archæology.
 Art in America.
 Boletin de la Sociedad Castellana a Excursiones.
 Boletin de la Sociedad Española a Excursiones.
 British School at Athens, Annual.
 Bulletin of the Metropolitan Museum of Art, New York.
 *Bulletin of the Rhode Island School of Design.
 Bulletino della Commissione archaeologica comunale de Rome.
 Burlington Magazine.
 Denkmäler der Malerei des Altertums.
 Ephemeris Archaeologike.
 Gazette des Beaux Arts.
 International Studio.
 Jahrbuch des Deutschen Archäologischen Instituts.

Jahreshefte des Österreichischen Archäologischen Instituts in Wien.
 Journal of Hellenic Studies.
 Journal international d'Archéologie numismatique.
 Journal of the American Institute of Architects.
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.
 Mittheilungen des Deutschen Archäologischen Instituts, Athenische Abteilung.
 Mittheilungen des Deutschen Archäologischen Instituts, Römische Abteilung.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Revue archéologique.
 Rivista d'arte.
 Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
 All Opinions of the U. S. Supreme Court.
 *American Association for International Conciliation, Publications.
 American City.
 American Economic Review.
 *American Economist.
 American Federationist.
 American Journal of International Law.
 American Municipalities.
 American Political Science Review.
 *The Americas.

Annalist.
 Annals of the American Academy of Political and Social Science.
 Bibliographie der Sozialwissenschaften.
 *Bulletin of the University of Wisconsin, Economics and Political Science Series.
 Canadian Municipal Journal.
 Citizens Business.
 City Plan.
 City Record, Boston.
 Civic Club Bulletin.
 Columbia Law Review.

- Columbia Studies in History, Economics and Public Law.
 *Congressional Record.
 Economic Journal.
 Good Government.
 Great Britain, Quarterly List of Official Publications.
 Guaranty News.
 Handbuch der öffentlichen Rechte.
 Harvard Law Review.
 Jahrbücher für Nationalökonomie und Statistik.
 Johns Hopkins University Studies in Historical and Political Science.
 Journal of Political Economy.
 Journal of the Royal Statistical Society.
 Minnesota Municipalities.
 Municipal Journal.
 Modern City.
 Municipal Research.
 National Municipal Review.
 National Tax Association Bulletin.
 New Age.
 New Witness.
 Political Science Quarterly.
 Proceedings of the Academy of Political Science.
 Proportional Representation Review.
 Publications of the American Economic Association.
 Quarterly Journal of Economics.
 Revue Bibliographique.
 Revue général de Droit international public.
 Searchlight on Congress.
 Short Ballot Bulletin.
 *Single Tax Review.
 Struggling Russia.
 Suffragist.
 *University of Pennsylvania Publications, Series in Political Economy and Public Law.
 Yale Review.
 Zeitschrift für Volkswirtschaft, Sozialpolitik u. Verwaltung.

Social Economy and Social Research.

- *Advance.
 American Child.
 American Child Hygiene Association, Transactions
 American Industries.
 American Journal of Public Health.
 American Journal of Sociology.
 American Labor Legislation Review.
 *American Pressman.
 *Bakers' Journal.
 *Bridgeman's Magazine.
 *Broom-maker.
 Bulletin of the International Labour Office.
 Bulletin of the National Tuberculosis Association.
 Bulletin of the National Society for Vocational Education.
 *Bulletin of the New York State Department of Labor.
 Bulletin of the Taylor Society.
 *Carpenter.
 Charity Organization Review.
 *Commercial Telegraphers' Journal.
 Community Center.
 Economic World.
 *Electrical Worker.
 *Elevator Constructor.
 Engineering News-record.
 Eugenics Review.
 Factory.
 Filing.
 *Garment Worker.
 *Granite Cutters' Journal.
 Housing Betterment.
 Industrial Arts Index.
 Industrial Management.
 Industrial News Survey.
 *Institution Quarterly.
 *International Bookbinder.
 International Marine Engineering.
 *International Musician.
 *International Steam Engineer.
 Iron Age.
 Journal of Criminal Law.
 Journal of Delinquency.
 Journal of Heredity.
 Journal of Industrial Hygiene.
 *Journal of the Cigar Makers' International Union.
 Journal of the Outdoor Life.
 *Journeyman Barber.
 Labor Bulletin of the Massachusetts Bureau of Statistics.
 Labor Gazette.
 *(The) Lather.
 *Law and Labor.
 *Leatherworkers' Journal.
 Life and Labor.
 *Longshoremen.
 *Machinists' Journal.
 *Metal Polishers' Journal.
 *Miners' Magazine.
 *Mixer and Server.
 Nation's Business.
 National Conference of Social Work Bulletin.

100%, The Efficiency Magazine.
 *Ohio State Institution Journal.
 The Organizer.
 *Painter and Decorator.
 *Patternmakers' Journal.
 *Paving Cutters' Journal.
 *Plasterer.
 Playground.
 *Plumbers' Journal.
 Proceedings of the National Conference of
 Social Work.
 *Progressive Labor World.
 *Public Health, Michigan.
 Publications of the American Statistical
 Association.
 *Quarry Workers' Journal.
 *Railway Clerk.
 *Railway Carmen's Journal.
 *Retail Clerks' International Advocate.
 Seaman's Journal.
 *Shoeworkers' Journal.
 Social Hygiene.

Social Hygiene Bulletin.
 Social Service Review.
 Survey.
 System.
 *Tailor.
 *Textile Worker.
 *Tobacco Workers' Journal.
 *Trade Union News.
 Transactions of the American Child Hy-
 giene Association.
 *Typographical Journal.
 *U. S. Bureau of Immigration, Publications.
 *U. S. Bureau of Labor Statistics, Bulletin.
 *U. S. Bureau of the Census, Publications.
 *U. S. Children's Bureau, Publications.
 *University of Illinois, Studies in Social
 Sciences.
 *University of Minnesota, Studies in Social
 Sciences.
 Women's Industrial News.
 Women's Trade Union Review.
 *Woodcarver.

Education.

†Berichte der Dalcroze Schule.
 Education.
 Educational Review.
 Educational Times.
 Elementary School Journal.
 English Journal.
 Historical Outlook.
 Journal of Educational Psychology.
 Journal of Educational Research.
 Journal of Experimental Pedagogy.
 *Journal of the Association of Collegiate
 Alumnae.
 Lehrproben und Lehrgänge.
 Manual Training Magazine.
 National Education Association, Publica-
 tions.
 National Society for the Study of Educa-
 tion Yearbook.

Pädagogische Studien.
 Pedagogical Seminary.
 Revue Internationale de l'Enseignement
 Supérieur.
 Revue Universitaire.
 School and Society.
 School Journal.
 School Review.
 School Science and Mathematics.
 Supplementary Education Monographs.
 Teachers' College Contributions to Educa-
 tion.
 Teachers' College Record.
 *U. S. Bureau of Education, Bulletin.
 *University of California Publications,
 Education.
 Zeitschrift für Pädagogische Psychologie.
 Zeitschrift für Schulgesundheitspflege.

History.

American Historical Association, Reports.
 American Historical Review.
 *Catholic Historical Review.
 English Historical Review.
 Historical Manuscripts Commission, Re-
 ports.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.

Klio, Beiträge zur alten Geschichte.
 New York Times Current History of the
 European War.
 Révolution française.
 Revue des Études Napoléoniennes.
 †Revue des Questions historiques.
 Revue historique.
 Round Table.
 Royal Historical Society, Transactions
 Selden Society, Publications.

* Presented by the Publishers.

† Suspended publication.

Philology and Literature, Classical.

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| †Bulletin bibliographique et pédagogique
du Musée Belge.
Classical Journal.
Classical Philology.
Classical Quarterly.
Classical Review.
Classical Weekly.
Commentationes philologae jenenses.
Dissertationes philologicae halenses.
Harvard Studies in Classical Philology.
Hermes.
Jahresbericht über die Fortschritte der
klassischen Altertumswissenschaft.
Journal of Roman Studies.
†Le Musée Belge, Revue de Philologie
classique. | Mnemosyne.
Philologische Untersuchungen.
Philologus.
Quellen und Forschungen zur lateinischen
Philologie.
Revue de Philologie.
Revue des Études grecques.
Rheinisches Museum für Philologie.
Rivista di Filologia.
Sokrates.
Studi Italiani di Filologia classica.
†Studi Storici per l'Antichità classica.
Wiener Studien, Zeitschrift für klassische
Philologie.
Wochenschrift für klassische Philologie. |
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Philology and Literature, General and Comparative.

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| American Journal of Philology.
Berliner philologische Wochenschrift.
†Eranos.
Indogermanische Forschungen.
Journal of English and Germanic Philol-
ogy.
Journal of Philology.
Neue Jahrbücher für das klassische Alter-
tum, Geschichte und deutsche Literatur. | Philological Society, London, Publications.
Transactions of the American Philological
Association.
Zeitschrift für die österreichischen Gym-
nasien.
†Zeitschrift für vergleichende Sprachfor-
schung. |
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Philology and Literature, Modern.

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| Acta Germanica.
Anglia.
Anglistische Forschungen.
†Annales Romantiques.
Archiv für das Studium der neueren
Sprachen.
Archivio Glottologico Italiano.
Arkiv for Nordisk Filologi.
Beiblatt zur Anglia: Mitteilungen über
englische Sprache und Litteratur.
Beiträge zur Geschichte der deutschen
Sprache und Literatur.
Bibliographical Society of America, Pub-
lications.
Bibliographical Society of London, Trans-
actions.
Bonner Studien zur englischen Philologie.
British Society of Franciscan Studies.
Bulletin hispanique.
Bulletino della Società Danteica Italiana.
Chaucer Society Publications (both series).
Deutsche Literaturzeitung.
Deutsche Texte des Mittelalters.
Dialect Notes. | Early English Text Society, Publications
(both series).
English Leaflet.
Englische Studien.
Euphoriion.
Forschungen zur neueren literaturge-
schichte.
†German American Annals.
†Germanisch-romanische Monatsschrift.
Giornale Storico della Letteratura italiana.
Goethe Jahrbuch.
Henry Bradshaw Society, Publications.
Jahrbuch der Deutschen Shakespeare
Gesellschaft.
Jahrbuch des Vereins für niederdeutsche
Sprachforschung.
Jahresbericht über die Erscheinungen auf
dem Gebiete der germanischen Philo-
logie.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für nieder-
deutsche Sprachforschung.
†Kritischer Jahresbericht über die Fort-
schritte der romanischen Philologie. |
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The Library.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 †Le Maître phonétique.
 Malone Society, Publications.
 Materialien zur Kunde des älteren englischen Dramas.
 Modern Language Notes.
 Modern Language Review.
 Modern Language Teaching.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Palaestra.
 Poet-lore.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Kulturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revista de Filología Española.
 Revue Celtique.

Revue d'Histoire Littéraire de la France.
 †Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 University of North Carolina. Studies in Philology.
 Wiener Beiträge zur englischen Philologie.
 Yale Studies in English.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Litteratur.
 Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
 Jewish Quarterly Review.
 Journal of the Royal Asiatic Society.
 Journal of the Society of Oriental Research.

†Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
 †Année psychologique.
 Archiv für die gesammte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 †Archives of Psychology.
 Behavior Monographs.
 †Berichte über den Kongress für experimentelle Psychologie.
 British Journal of Psychology.
 British Journal of Psychology: Monograph Supplements.
 †Bulletin de l'Institut Psychologique.
 Fortschritte der Psychologie.
 Hibbert Journal.
 International Journal of Ethics.
 †Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal Psychology.

†Journal of Animal Behaviour.
 Journal of Applied Psychology.
 †Journal of Experimental Psychology.
 Journal of Philosophy, Psychology and Scientific Methods.
 Journal of Religious Psychology.
 Mind.
 Monist.
 Philosophical Review.
 Proceedings of the Aristotelian Society.
 Proceedings of the Society for Psychical Research.
 Psychological Bulletin.
 Psychological Clinic.
 Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 †Psychologische Arbeiten.

†Psychologische Studien.
 Revue de Métaphysique.
 †Revue de Psychothérapie.
 Revue philosophique.
 Training School Bulletin, Vineland.
 *University of Toronto Studies, Psychology Series.

Vierteljahrsschrift für wissenschaftliche Philosophie u. Soziologie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
 American Journal of Theology.
 Anglican Theological Review.
 Biblical World.
 †*Christian Register.
 *Christian Science Journal.
 *Christian Science Sentinel.
 Expositor.
 Expository Times.
 Harvard Theological Review.
 †Home Mission Monthly.

Journal of Biblical Literature.
 Journal of Theological Studies.
 *Publications of the American Jewish Historical Society.
 Religious Education.
 Revue biblique.
 *Spirit of Missions.
 *Union Signal.
 *Woman's Missionary Friend.
 *World Outlook.

Science, General.

American Journal of Science.
 Atti della Reale Accademia delle Scienze di Torino.
 British Association for the Advancement of Science, Reports.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 International Catalogue of Scientific Literature.
 *Kansas University, Science Bulletin.
 Nature.
 *New York State Museum Bulletin.
 Philosophical Magazine.

Philosophical Transactions of the Royal Society of London.
 Proceedings of the American Philosophical Society.
 Proceedings of the National Academy of Sciences.
 Proceedings of the Royal Society of London.
 Science.
 Scientific American.
 Scientific American Monthly.
 Scientific Monthly.
 *Technology Review.
 *U. S. National Museum, Publications.
 *University of Missouri Studies, Science Series.

Science, Biology.

American Anthropological Association, Memoirs.
 American Anthropologist.
 American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia physiologica.
 Biologisches Centralblatt.

Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Endocrinology.
 Eugenics Laboratory Memoirs.
 Genetics.
 *Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.
 Journal of General Physiology.
 Journal of Genetics.

* Presented by the Publishers.

† In Christian Association Library.

Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 *Midland Naturalist.
 Quarterly Journal of Microscopical Science.
 Stazione Zoologica di Napoli, Pubblicazioni.
 *U. S. Public Health Service, Publications.
 *University of California Publications. Physiology.
 *University of California Publications, Zoology.

*University of Pennsylvania, Contributions from the Botanical Laboratories.
 *University of Pennsylvania, Contributions from the Zoological Laboratories.
 *University of Toronto Studies, Biological Series.
 *University of Toronto Studies, Physiological Series.
 *Wilson Bulletin.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.
 *Illinois Geological Survey Bulletin.
 Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.

Mineralogische und petrographische Mittheilungen.
 National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
 Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological Society.
 *U. S. Monthly Weather Review.
 *University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie.
 Annales de Physique.
 Annales scientifiques de l'Ecole Normale Supérieure.
 Annali di Matematica.
 Astrophysical Journal.
 Beiblätter zu den Annalen der Physik.
 Berichte der deutschen chemischen Gesellschaft.
 Bibliotheca Mathematica.
 Bollettino di Bibliografia e Storia delle Scienze Matematiche.
 Bulletin de la Société Chimique de France.
 Bulletin de la Société Mathématique.
 Bulletin des Sciences mathématiques.
 Bulletin of the American Mathematical Society.
 Cambridge Tracts in Mathematics.
 Chemisches Zentralblatt.
 Giornale di Matematiche.

Jahrbuch über die Fortschritte der Mathematik.
 Jahresbericht der deutschen Mathematiker Vereinigung.
 Journal de Chimie physique.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte Mathematik.
 Journal für praktische Chemie.
 Journal of the London Chemical Society.
 Journal of Physical Chemistry.
 Kolloidzeitschrift.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.
 Proceedings of the London Mathematical Society.
 Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico di Palermo.
 Science Abstracts.

Transactions of the American Mathematical Society.
 *U. S. Bureau of Standards Bulletin.
 Zeitschrift für anorganische Chemie.

Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 275,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to five-thirty P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 215,000 volumes. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 81,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 475,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 550,000 volumes and 265,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains over 67,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 140,000 bound volumes, and 300,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

* Presented by the publishers.

EXAMINATION FOR MATRICULATION.

The examination for matriculation must be taken by every-one who wishes to study in the undergraduate department of Bryn Mawr College as a candidate for a degree or as a special student following selected courses.*†

Examination for Matriculation.

The examination for matriculation may be taken also as a test of proficiency in elementary studies by candidates who have no intention of entering the college.

A matriculation certificate will be given to everyone who is successful in passing the examination.

*The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examination of the college will be accepted, subject to certain conditions. For details see pages 179-181.

† When there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for, two exceptions may, in special circumstances, be made to the above rule, and two classes of students may be admitted to the college without passing the examination for matriculation:

(a) Students who present a certificate of honourable dismissal from an approved college. (See fifth paragraph of this note.)

(b) Women over twenty-five years of age who can furnish satisfactory proof that they have at some time studied the subjects required for admission to Bryn Mawr College may be admitted as "Hearers."

In the admission of students, however, preference will in all cases be given to candidates who have taken the regular examination for matriculation.

Students who have attended other colleges or universities must present a certificate of honourable dismissal, together with an official statement that they have studied in regular college classes for one college year exclusive of the summer vacation and have received the grade of passed on examinations covering at least one year of academic work in one of the regular college courses leading to the bachelor's degree of liberal arts, and are in good standing in said college, and able to take their degree there in due course. In addition to this year of college work such students must present credits fully equivalent to the Bryn Mawr College examination for matriculation.

Students who have failed to satisfy the requirements at other colleges, who have outstanding conditions, or have otherwise failed to meet prescribed college standards of academic work or conduct, or who have been put on probation, suspended, or excluded will under no circumstances be admitted to Bryn Mawr College. Such students will not be permitted to cancel their college work elsewhere, take the Bryn Mawr College examination for matriculation, and enter Bryn Mawr as regular freshmen.

Candidates who wish to be admitted to Bryn Mawr College on presentation of a certificate of honourable dismissal from a college or university the graduates of which are eligible for membership in the Association of Collegiate Alumnae are not required to pass the Bryn Mawr College examination for matriculation, provided they can present the required number of entrance credits. Students presenting certificates of honourable dismissal from all other colleges and universities must take the regular examination for matriculation given by Bryn Mawr College. Such students are not permitted to take the examination for matriculation without informing the Secretary and Registrar of the College, in advance, at the time that they file their application to be examined, that they have studied at another college. Unless this rule is observed they will not receive a matriculation certificate.

Graduates of the following colleges and universities are eligible for admission to the Association of Collegiate Alumnae: Allegheny College; Barnard College; Bates College; Beloit College; Boston University; Women's College in Brown University; Bryn Mawr College; University of California; Carleton College; University of Chicago; University of Cincinnati; Coe College; Colorado College; University of Colorado; Connecticut Wesleyan University; Cornell College; Cornell University; DePauw University; Drake

**Matriculation
Certificates.**

Matriculation certificates stating that candidates have passed the examination for matriculation and are qualified for admission to Bryn Mawr College will be issued to those candidates only who have been examined in *all* of the subjects required for matriculation and have shown by their examination that *all* of the subjects required for matriculation have been studied for a reasonable length of time. These subjects are counted as equivalent to twenty points. No certificate will be given unless the candidate has received the grade of "passed" in at least fifteen of the required twenty points.*† Matriculation certificates may be presented at any time for admission to the college. There is no time limit.

**Admission
Certificates.**

Candidates holding matriculation certificates who wish to study in Bryn Mawr College must make definite application for admission as a student to the Secretary and Registrar of the College. Such candidates will receive from the Secretary and Registrar formal admission certificates.‡ Matriculation certi-

University; Earlham College; Elmira College; Franklin College; Goucher College; Grinnell College; University of Illinois; Indiana University; Iowa State College; The State University of Iowa; Jackson College (Tufts College); University of Kansas; Knox College; Lake Erie College; Lake Forest College; Lawrence College; Leland Stanford Jr. University; Massachusetts Institute of Technology; McGill University; Miami University; University of Michigan; Mills College; Milwaukee-Downer College; University of Minnesota; University of Missouri; Mount Holyoke College; The University of Nebraska; University of North Dakota; Northwestern University; Oberlin College; Ohio State University; Ohio Wesleyan University; University of Oregon; Pennsylvania State College; Pomona College; Purdue University; Radcliffe College; Randolph-Macon Woman's College; Reed College; University of Rochester; Rockford College; College of St. Catherine, St. Paul, Minn.; College of St. Elizabeth, Convent Station, N. J.; College of St. Teresa, Winona, Minn.; Smith College; Swarthmore College; Syracuse University; University of Texas; University of Toronto; Trinity College; Vassar College; Washington State College; Washington University (St. Louis); University of Washington (Seattle); Wellesley College; Wells College; Western Reserve University; Whitman College; William Smith College (Hobart College); University of Wisconsin; Wooster College.

* Matriculation certificates must contain a complete record of the marks received in all of the twenty points. Candidates who have cancelled the First Division, the Second Division, or the Preliminary Division of the examination for matriculation must be examined again in all of the points of the cancelled division. It is not sufficient that the candidates at some previous time should have offered certain subjects, or points, in a division of the examination that has been cancelled. They must offer *all* cancelled points again except those points which have been offered and passed in the division which is to be counted. Neglect to comply with this rule will prevent candidates from receiving matriculation certificates.

† Matriculation certificates will not be issued to candidates who have failed completely in any one of the twenty points offered for the final matriculation certificate when such failure is of a character to indicate that the subject has been presented as a mere form, unless they can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

‡ Students who have been admitted to the college will be permitted to choose rooms in the halls of residence in order of application for rooms and are urged to make such appli-

ificates qualify for admission but do not in themselves entitle candidates to study in Bryn Mawr College. It is therefore necessary for holders of matriculation certificates to make definite application to the Secretary and Registrar for admission to the college. This application must be formally approved before the candidate will be admitted.

In the admission of students preference will be given to candidates of the highest promise, due regard being paid to examination grades, including the number of points passed, and also to evidence as to character, health, and general ability.

The examination for matriculation may be taken in three ways:—first, the whole examination, including all the twenty points, may be taken in one examination period (this examination being known as the Combined First and Second Division); second, the examination may be divided between two examination periods and may be taken in two parts known as the First Division and the Second Division; and third, the examination under certain specified conditions which must be strictly observed may be divided among three examination periods and may be taken in three parts known as the Preliminary Division, the First Division, and the Second Division. Not more than one calendar year and a summer vacation may elapse between the First Division and the Second Division. Not more than two calendar years and a summer vacation and not less than two years may elapse between the Preliminary Division and Second Division. Unless these rules as to time are strictly observed the First Division, or the Preliminary Division, respectively, will be automatically cancelled.

***Divisions
of
Examina-
tion for
Matricu-
lation.***

The Preliminary Division of the examination for matriculation was opened to candidates for the first time in the spring of 1916. This examination is planned to meet the wish of the preparatory schools for an examination in which to test the

***Preliminary
Division.***

cation as early as possible. Application for rooms may be made at any time. It is not necessary to wait until the examination for matriculation has been taken.

Applications for rooms made by students studying at other colleges, or entering other colleges after applying for rooms at Bryn Mawr College, will not entitle them to an early choice of rooms. Such students will be admitted to the college only when there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for. Under no circumstances will students be admitted to Bryn Mawr College who have not made good at other colleges. (See footnote, page 163, seventh paragraph.)

progress made by their pupils two years before completing their preparation for the final examination for matriculation; and also to relieve them from the strain of crowding all their preparatory work into the last two years before the final examination. This Preliminary Division of the examination for matriculation is regarded as an experiment the working of which should be carefully observed by the faculty of the college. It may therefore be taken only in the Bryn Mawr College examination for matriculation. The examinations of the College Entrance Examination Board may not be substituted for this Preliminary Division.

In the Preliminary Division candidates may be examined only in the following subjects:

	<i>Points</i>		<i>Points</i>
Algebra*.....	2	Ancient History.....	1
Plane Geometry*.....	2	English History	1
Latin Prose Authors.....	2	American History	1
Greek.....	3 or 2†	English Grammar (old requirements only).....	1
French.....	3 or 2†	New Requirements only: Physiology and Hygiene or Chemistry, or Physical Geography or Botany..	1
German.....	3 or 2†		
Spanish.....	2†		
Italian.....	2†		

The examinations in the above subjects are the regular matriculation examinations given for admission to Bryn Mawr College. § There is no restriction as to the number of points to be passed.

Any point or points passed will be credited in the Preliminary Division Certificate. || This Preliminary Division may be counted as part of the First Division of the examination for matriculation. The points passed in the Preliminary Division and in the First Division, provided their total number amounts to four points, may be added together and credited in the First Division Certificate. Candidates are not, however, *required* to count the Preliminary Division as any part of

* Candidates may not be examined in *both* Algebra and Geometry in the Preliminary Division except under certain conditions, see footnote, page 178.

† For two point language examinations, see pages 186-187.

§ For further description and details, see page 181-187.

|| Preliminary Certificates may be exchanged for First Division Certificates in the following special case:—Candidates who have already received the Preliminary Division Certificate and find that they are able to complete the examination for matriculation within one calendar year and the summer vacation, instead of in two years time as was their original intention, may exchange their Preliminary Certificates for First Division Certificates, provided that at least four points have been passed; otherwise the Preliminary Division must be cancelled and the examination for matriculation taken in the usual way, *i. e.*, in two divisions (First Division and Second Division).

the examination for matriculation. Candidates who have received the Preliminary Division Certificate in the Bryn Mawr College Examination for Matriculation may complete their examination either in the Bryn Mawr College examination or in the examinations of the College Entrance Examination Board and receive the First Division Certificate, the Second Division Certificate, and the final Matriculation Certificate from Bryn Mawr College. Candidates may not try the examinations of the Preliminary Division more than once except in the special case of candidates who wish to cancel the Preliminary Division which they have taken and repeat it in the spring or autumn (not winter) examination for matriculation of the following year with the intention (stated in writing) of completing the whole examination for matriculation two years later.

Candidates who are not preparing for college may take the Preliminary Division as a test of proficiency in elementary studies.

In the First Division of the examination for matriculation candidates may offer any subjects, or points, they please and as many points as they please, provided, however, that they take care to offer a sufficient number of points (at least four) to secure a certificate. First Division Certificates will be given to those candidates who have passed in at least four points. The examination of candidates failing to pass in four points will be cancelled and must be repeated. Candidates are, therefore, advised to offer as many more than four points as possible in order to allow for the possibility of failure in one or more points.

*First
Division*

Candidates holding a First Division Certificate must take the Second Division of the Examination for Matriculation within one calendar year and a summer vacation from the time of taking the First Division of the examination for matriculation; otherwise the First Division will be cancelled.*

* First Division Certificates may be exchanged for Preliminary Certificates in the following special case: candidates who have intended to take the matriculation examination of Bryn Mawr in two divisions only (the First Division and the Second Division) and have already received the First Division Certificate but are unable, on account of illness or for some other reason satisfactory to the Entrance Examination Committee of Bryn Mawr College, to take the Second Division of the examination for matriculation within one calendar year and the summer vacation from the time of taking the First Division, may, by

*Second
Division.*

In the Second Division of the examination for matriculation candidates must be examined in all the points in which they were not examined in the First Division including the Preliminary when taken and must receive the grade of "passed" in at least fifteen of the twenty points required for matriculation in order to receive a complete Matriculation Certificate. In calculating these points all the points credited in the First Division Certificate will be counted. Candidates who have failed in five points may receive a Matriculation Certificate, *they must, however, have been examined in all of these five points*, either in the First Division or in the Second Division, *i. e.*, the final Matriculation Certificate must contain the grade received by candidates on all the required twenty points.

Not more than one calendar year and a summer vacation may elapse between the First Division and Second Division of the examination for matriculation; otherwise the First Division Certificate will be cancelled.

*Combined
First and
Second
Division.*

The whole examination for matriculation, *i. e.*, the Combined First and Second Division, including all the twenty points, may be taken in one examination period, but, unless the circumstances are exceptional, candidates are advised to avoid the strain of taking so many examinations at one time.

Candidates must be examined in all of the required twenty points and must receive the grade of "passed" in at least fifteen of the twenty points required for matriculation in order to receive a Matriculation Certificate.

*Time and
Place of
Examina-
tion for
Matricu-
lation.*

The examination is held at Bryn Mawr College in the spring, autumn, and winter of every year and is also held in the spring of every year in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond, St. Louis, and London (England). A fee of six dollars for the whole or any part of the examination must be paid by each candidate taking the examination at the above mentioned regular examination centres.

consent of the Committee, be permitted to exchange their First Division Certificate for a Preliminary Certificate provided the First Division has been taken in the Bryn Mawr College examination and *not* in the examinations of the College Entrance Examination Board. Such candidates may accordingly take their examination for matriculation in three divisions like candidates who have planned in advance to take the Preliminary Division two years before completing their matriculation examination.

The examination for matriculation may be arranged by the College at other places in the spring, but not in the autumn or winter, in which case the usual fee of six dollars per person will be charged.

The examination for matriculation may be held in the spring at yet other places by special request for the benefit of certain schools or groups of candidates who are willing to meet the whole expense of the conduct of the examination by the College. The fee per candidate may be more but will not be less than six dollars for the whole or any part of such examination.*

The complete time schedule of the matriculation examination is printed at the end of this volume.

Application to take either the whole or any part of the examination for matriculation must be made in advance to the Secretary and Registrar of Bryn Mawr College, in accordance with prescribed regulations which differ according to the way in which the examination for matriculation is to be taken, whether at one time or in one of the three divisions (Preliminary Division, First Division or Second Division) into which it may be divided; and also according to the time and place of the examination. For this reason candidates and principals of preparatory schools are requested to read carefully the following regulations which are not subject to alteration:

*Applica-
tion to take
Examina-
tion for
Matricu-
lation.*

A fee of six dollars is charged for the whole or any part of the examination. Candidates holding a matriculation certificate must pay three dollars for each condition examination except punctuation for which the fee is one dollar.

* In the past ten years examinations have been held by request at the following places: Alabama: Gadsden; California: Bonita, Los Angeles, Piedmont, Redlands, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich; Hartford, Simsbury; Washington, Waterbury; Georgia: Athens; Illinois: Springfield; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Council Bluffs, Davenport, Dubuque, Keokuk; Kansas: Kansas City; Kentucky: Louisville; Maine: Portland; Maryland: Catonsville, Cumberland; Massachusetts: Fall River, Lowell; Michigan: Bay City, Detroit, Grand Rapids, Houghton; Minnesota: Faribault, Minneapolis; Missouri: Hannibal; Montana: Helena; Nebraska: Omaha; New Jersey: Lakewood, Princeton, Trenton; New York: Albany, Clinton, Cooperstown, Garden City, Glens Falls, Lake George, New Rochelle, Rochester, Rye, Saratoga Springs, Tarrytown; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Altoona, Bellefonte, Bradford, Greensburg, Harrisburg, Hazelton, Johnstown, Lancaster, Oxford, Scranton, Wilkes-Barre, York; Rhode Island: Providence; South Carolina: Charleston; South Dakota: Yankton; Tennessee: Memphis, Nashville; Texas: Dallas, Houston; Utah: Salt Lake City; Washington: Seattle; West Virginia: Wheeling; Wisconsin: Fond du Lac, Milwaukee; District of Columbia: Washington; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus.

*Application
for
Spring
Examination.*

Candidates who intend to take the spring examination at Bryn Mawr College are required to make application for this examination to the Secretary and Registrar on or before May 15th on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of six dollars. Candidates who apply for examination after May 15th will be charged an additional fee of six dollars, or twelve dollars in all.

Candidates who intend to take the Bryn Mawr College examination for matriculation elsewhere than at Bryn Mawr are required to make application for this examination to the Secretary and Registrar of the College on or before April 15th and to follow the same procedure as in the case of candidates taking the spring examination at Bryn Mawr.*†

*Application
for
Autumn
and
Winter
Examinations.*

Candidates who intend to take the examination for matriculation at Bryn Mawr in the autumn or winter are required to make application for this examination to the Secretary and Registrar on or before September 15th, or January 1st, respectively, on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of six dollars. Candidates who apply for examination after September 15th and January 1st, respectively, will be charged an additional fee of six dollars, or twelve dollars in all.

Attention is called to the fact that the examination for matriculation is given in the autumn and winter at Bryn Mawr College only.

The Preliminary Division of the examination for matriculation may not be taken in the winter, but only in the spring and autumn.

*Application
to take
Preliminary
Division
or
First Division
or to
Pass Off
Conditions*

Candidates who intend to take the Preliminary Division, or the First Division, or to pass off conditions imposed in a previous examination for matriculation, must follow the

* When the examination for matriculation is specially conducted by the College at the request of schools or groups of candidates the charge per candidate taking the examination may be more than six dollars but in no case will it be less, see page 169.

† For regulations governing those candidates who substitute for the Bryn Mawr College Examination for Matriculation the examinations held by the College Entrance Board, see pages 179-181.

procedure outlined under the heading Application for Spring Examination, or Application for Autumn and Winter Examinations according to the time at which they wish to be examined. They must state in their application whether they intend to take the Preliminary Division or the First Division or to pass off conditions. Candidates wishing to take the Preliminary Division must send with their application a statement in writing made by their school principal, their private tutor, or by themselves that they are taking the Preliminary division two years before they expect to complete the examination for the matriculation certificate.

Candidates who intend to complete the examination and thus become eligible to receive the Matriculation Certificate must follow the procedure outlined under the heading Application for Spring Examination or Application for Autumn and Winter Examinations according to the time at which they wish to be examined. They must state in their application whether they intend to take the whole examination for matriculation at one time, *i. e.*, the Combined First and Second Division, or the Second Division. If the examinations are being offered for admission to the college the candidate must also send to the Secretary and Registrar a request for a certificate of admission.

*Application
to take
Combined
First and
Second
Division
or
Second
Division of
Examination
for
Matricula-
tion*

Four competitive matriculation scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final matriculation certificates in the spring matriculation examinations of Bryn Mawr College. One scholarship is awarded in each of the following districts: (a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present them-

***Matricu-
lation
Scholar-
ships.***

* For regulations governing those candidates who substitute for the Bryn Mawr College Examination for Matriculation the examination held by the College Entrance Examination Board, see pages 179-181.

selves for examination at any place where the Bryn Mawr College examination for matriculation is held. These scholarships, which are to be held for one year only, are awarded in each of the above-named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required. The candidate in each district whose grades are next highest to the winner of the scholarship for that district will receive Honourable Mention.

Examinations for Advanced Standing.

Examinations for Advanced Standing.

Candidates who wish to enter the college with advanced standing may offer the following subjects in addition to the twenty points required for the Matriculation Certificate: the Minor Course in Latin, Section A and Section B, counting as three and two hours throughout one year;* matriculation

* The minor course in Latin may be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, Selected Letters, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Terence, *Phormio*, *Adelphoe* and *Andria* or by special request registered three months before the examination, Livy, *Book xxi*, and Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i, 25, 27, 33, 36; ii, 5; iii, 6, 15, 20; iv, 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Saeculare*; *Satires* i, 1, 5, 6, 9; ii, 6; *Epistles* i, 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in

Greek, French or German (provided this was not taken in the examination for matriculation), counting as five hours throughout one year; trigonometry,* counting as two hours throughout one semester; Solid Geometry* counting as two hours throughout one semester. All of these subjects are **not** necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work.

Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

Candidates holding Matriculation Certificates may remove conditions at any time before entering the college by passing the corresponding examinations in any of the regular periods at which the examination for matriculation is given. The usual fee of three dollars must be paid for each condition examination. Candidates are advised whenever it is at all possible to remove their conditions before entering the college, as the penalties imposed on freshmen for failing to pass off matriculation conditions are serious, and the time that must be spent in the necessary reviewing interferes materially with their college work.†

Examination to remove Conditions.

length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

* For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 181.

† Students must pass off all matriculation conditions within the first semester after entering the college under penalty of exclusion from full college work during the second semester. Students who have not passed off all their matriculation conditions at the end of the second semester after entering the college will be required to withdraw from the college for one year (an exception being made in the case of students conditioned in one point only, such students being permitted to take an examination in this point in the following September, the penalty for failure to pass being in this case also withdrawal from the college for one year). Students must pay a fee of three dollars for each conditioned matriculation examination with the exception of conditions in punctuation for which one dollar is charged.

Candidates who have taken only the preliminary or first division examinations and have not received the complete matriculation certificate may pass off conditions only when offering a later division of examination, *e.g.*, conditions received in the first division may be passed off only with the second division examination or after the matriculation certificate has been received.

Matriculation conditions also may seriously disarrange their college course. Students with matriculation conditions in Greek, Latin, English, French, German, or Mathematics are not permitted to attend college courses in these subjects until the conditions have been passed off. As these courses run throughout the year conditioned students are prevented from taking them in their freshman year. Conditions in history or in science do not exclude students from college classes in history or science.

Point System.

*Explan-
ation
of Point
System.*

Assuming the usual amount of preparatory work, the number of points allotted to each subject in the examination for matriculation indicates approximately the time which pupils should devote to preparation in that subject during the last six years of their preparatory school course if a point is regarded as four or five recitation periods a week throughout one school year. If, for example, candidates take their matriculation examination under the New Requirements and study five subjects a year during the last six years of preparation for college, then Mathematics, Latin, and English should be studied four or five periods a week for four years each since each counts as four points in the examination; Ancient History and English History should each be studied for four or five periods a week for one year, since each counts as one point; Physics and Elementary Science should be studied for two or if possible for three years, since together they count as three points; and one of the three languages Greek or French or German should be studied for five periods a week for at least three years, since each counts as three points. The minimum time, therefore, that should be spent in preparing for the matriculation examination under the New Requirements is nineteen

school periods a week for six years, leaving free for a daily study period and other non-college preparatory subjects eleven periods a week throughout these six years. The point system assumes that the school work in the last six years before entering the college rests on a foundation of solid work in the elementary school.

Matriculation Subjects.

The examination for matriculation in Bryn Mawr College is planned to furnish the best possible foundation for the work required of all candidates for the bachelor's degree in the college and at the same time to give the best possible mental discipline and liberal training both to candidates entering the college and to those who are unable to continue their studies beyond the preparatory school. Certain subjects, such as Latin, Mathematics, English, Physics, Ancient History, one additional ancient or modern foreign language are regarded as essential elements of a thorough school course. Certain other subjects are regarded as less essential to be taken before entering the college and between such subjects certain options are permitted. The New Matriculation Requirements (which came into effect for the first time as optional examinations in 1918 and which will become obligatory in and after the spring of 1923) throw more emphasis on history and science and less on language although an optional examination in a fourth language in addition to Latin and English and the third language required of all candidates may still be taken if preferred. Such candidates must, however, supplement their lack of preparation in history and science by electing courses in these subjects during their college course.* The New Requirements also permit examinations in Italian and Spanish to be offered for matriculation under certain conditions. Attention is called to the fact that candidates who do not wish to study German may offer for the matriculation examination and also later in their college course Greek or French or Italian or Spanish.

*Subjects
Required
in the
Examina-
tion for
Matricu-
lation.*

* In this connection it should be noted that if a fourth language is offered in the examination for matriculation and kept up during the freshman and sophomore years it will greatly lighten the work of preparing for the language examination required of all students at the beginning of the junior year.

Examination for Matriculation.

**Tabular
Statement
of
Subjects
Required
in
Examina-
tion for
Matricu-
lation.**

The examination* known as the Old Requirements will be accepted until the winter of 1923, but candidates may also offer the examination known as the New Requirements. The Old Requirements and the New Requirements may not, however, be combined, except in case of the new English examinations which are advised for all candidates. Candidates intending to complete their examination for matriculation in 1923 must take the New Requirements examination in the Preliminary Division and in the First Division of the examination for matriculation.

*Examination for Matriculation, Old Requirements.
Tabular Statement.*

I. Required of all candidates.

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry.....	2
Latin Grammar and Prose Composition.....	1
Latin Prose Authors.....	2
Latin Poets.....	1
English Grammar†.....	1
English Composition.....	3
Ancient History.....	1
Physics.....	1

II. Two of these three languages required of all candidates.

<i>Subjects.</i>		
Greek Grammar and Prose Composition.....	1	} Two of these three languages... 6
Greek Prose Authors.....	1	
Greek Poets.....	1	
French Grammar and Composition.....	1	} Two of these three languages... 6
French Translation.....	2	
German Grammar and Composition.....	1	} Two of these three languages... 6
German Translation.....	2	

 20

* Printed sets of matriculation papers may be obtained for sixty cents from the Secretary and Registrar of the College.

† The New English Examination, see definition, pages 182-183, is optional in and after 1918 and obligatory in and after the spring of 1921.

Examination for Matriculation, New Requirements.

Obligatory for candidates in and after the spring of 1923. Before the spring of 1923, candidates may offer *either* this examination *or* the Old Requirements examination, but may not combine the two forms of examination. Candidates completing their examination for matriculation in 1923 must take these examinations in the Preliminary Division and in the First Division also.

*Tabular Statement.***I. Required of all candidates.**

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry.....	2
Latin Grammar and Prose Composition.....	1
Latin Prose Authors.....	2
Latin Poets.....	1
English Literature.....	2
English Composition.....	2
Ancient History.....	1
Physics.....	2

II. One of these three languages required of all candidates.

<i>Subjects.</i>	
Greek Grammar and Prose Composition..... 1	} One of these three languages.... 3
Greek Prose Authors..... 1	
Greek Poets..... 1	
French Grammar and Composition..... 1	
French Translation..... 2	}
German Grammar and Composition..... 1	
German Translation..... 2	

III. One of the following two groups of two points required of all candidates.

GROUP ONE.*

<i>Subjects.</i>	
English History or American History..... 1	} 2
Science, (Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany)..... 1	

or

* Candidates are advised to select Group One whenever possible. Candidates who select Group Two are required to make good their deficiency in history and science after they enter the college by electing as courses required for the bachelor's degree history, five hours a week for one semester and science (in addition to the year of required science and not counting as a second year of science), five hours a week for one semester; or history, five hours a week for one year, provided history has not been selected as a group subject; or science, five hours a week for one year, provided science has not been selected as a group subject.

GROUP TWO.*

<i>Subjects.</i>		<i>Points.</i>
Greek Grammar and Composition and Translation	2	} One of these languages.....2
French Grammar and Composition and Translation	2	
Italian Grammar and Composition and Translation	2	
Spanish Grammar and Composition and Translation	2	
German Grammar and Composition and Translation	2	
		20

The Preliminary Division.

Candidates who wish to take some of their examinations two years before entering the college may avail themselves of the Preliminary Division which may be taken only in the Bryn Mawr College Examinations either in the spring or autumn of any given year. The subjects that may be offered in this Division are as follows:

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry†.....	2
English Grammar (Old Requirements).....	1
Greek.....	3 or 2
French.....	3 or 2
German.....	3 or 2
Spanish.....	2
Italian.....	2
Latin Prose Authors‡.....	2
Ancient History.....	1
English History, or American History (New Requirements).....	1
Science, either Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany (New Requirements).....	1

For a full explanation of this examination, see pages 165-167 and 170-171.

* Candidates offering Group Two must not select for examination a language which they have offered, or intend to offer, for the three-point examination in language required of all candidates. Candidates who select Group Two and offer for examination the two-point option in Greek, French, Italian, Spanish, or German must pass a supplementary examination after entering the college, provided they wish to enter one of the regular minor courses in this language. All the minor courses in language are based on the amount of preparation required for a three-point matriculation examination, except Latin and English, which assume preparation equivalent to at least four points.

† If Algebra and Geometry are offered in this examination, the candidate must undertake to offer Solid Geometry or Trigonometry before entrance, and at least one of the four papers Algebra, Plane Geometry, Solid Geometry and Trigonometry must be offered by the candidate in the first or second division of the examination.

‡ This subject is included in the hope that the schools will be able to readjust their work so as to offer it in this examination.

|| For the two-point language examinations, see pages 186-187.

Examination of the College Entrance Examination Board.

The Examinations of the College Entrance Examination Board which are designated below as equivalent to the matriculation examinations of the college will be accepted for admission to the college, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The Preliminary Division must be taken in the Bryn Mawr College examination, but candidates may take either the First Division or the Second Division or both in the Bryn Mawr College examination, or in the examinations of the College Entrance Examination Board.

Not more than one calendar year and a summer vacation may elapse between the First Division and Second Division of the examination for matriculation. There is no other restriction as to time; for example, candidates may present themselves for the First Division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the Second Division in the examination held by the College Entrance Examination Board in the third week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Board three weeks later.

In case a sufficient number of points to secure a Matriculation Certificate is not passed in two divisions of the examination the points taken in one division must be cancelled, and all the points offered in the cancelled division (except those points which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the points in which the candidate has been conditioned to ensure her passing in the required number of points.

Candidates who have passed the fifteen points necessary to receive a Matriculation Certificate may remove conditions by passing the corresponding examinations in the Bryn Mawr College examination for matriculation or in the examination of the College Entrance Examination Board.

Candidates taking the College Entrance Examination Board's examinations will not be considered in the awarding of the four Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible for these scholarships when the finals are taken in the autumn examination.

TABLE OF EXAMINATIONS OF THE COLLEGE ENTRANCE EXAMINATION BOARD EQUIVALENT TO THE BRYN MAWR COLLEGE EXAMINATION FOR MATRICULATION.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
<i>Subjects.</i>		<i>Subjects.</i>	<i>Points.</i>
Mathematics: Algebra, A.....	=	Algebra.....	2
Mathematics: C.....	=	Plane Geometry.....	2
Latin: 1 and 6, taken together.....	=	Latin Grammar and Prose Composition	1
Latin: P.....	=	Latin Prose Authors.....	2
Latin: Q.....	=	Latin Poetry.....	1
English: 1.....	=	English Grammar Old Requirements..	1
English: 2.....	=	English Composition Old Requirements	3
English: 2.....	=	English Literature New Requirements.	2
English: 1.....	=	English Composition New Requirements.....	2
History: A.....	=	Ancient History Old and New Requirements.....	1
History: D.....	=	English History New Requirements..	1
History: E.....	=	American History New Requirements.	1
Greek: F.....	=	Greek Grammar and Composition Old and New Requirements.....	1
Greek: G.....	=	Greek Prose Authors Old and New Requirements.....	1
Greek: CH.....	=	Greek Poetry Old and New Requirements.....	1
Greek, Comprehensive*.....	=	Greek Grammar and Composition, Prose Authors and Poets, Old and New Requirements.....	3
Greek: F and G or F and CH or G and CH taken together.....	=	Greek two-point option.....	2
French: A and B.....	=	French Grammar and Translation Old Requirements.....	3
		or French two-point option.....	2
French, A and BC.....	=	French Grammar and Composition and Translation New Requirements	3
French, Comprehensive*.....	=	French Grammar and Composition and Translation Old or New Requirements.....	3
German: A and B.....	=	German Grammar and Translation Old Requirements.....	3
		or German two-point Option.....	2
German, A and BC.....	=	German Grammar and Composition and Translation New Requirements	3

* Since the comprehensive examinations are not graded students offering these will receive in case they pass only the passing mark of 60 per cent.

In Greek, Cp. 3=Old and New Requirements.

In French and German, Cp. 3=Old Requirements, and Cp. 4=New Requirements.

<i>Subjects.</i>	<i>Subjects.</i>	<i>Points.</i>
German, Comprehensive*.....	= German Grammar and Composition and Translation Old or New Requirements.....	3
Spanish Elementary.....	= Spanish two-point option.....	2
No Equivalent.....	= Italian two-point option.....	2
Physics.....	= Physics Old and New Requirements 1 or 2	
Physics, Comprehensive*.....	= Physics Old and New Requirements 1 or 2	
Chemistry.....	= Chemistry New Requirements.....	1
Chemistry Comprehensive*.....	= Chemistry New Requirements.....	1
Botany.....	= Botany New Requirements.....	1
Geography.....	= Physical Geography New Requirements	1
Biology.....	= Physiology and Hygiene New Requirements.....	1

Examinations for Advanced Standing.

Mathematics: D.....	= Solid Geometry.
Mathematics: E.....	= Trigonometry.
No Equivalent.....	= Minor Latin.

Definition and Description of Subjects of Examination for Matriculation.

I. Mathematics.—Algebra. (Counting as two points.) Plane Geometry. *Mathematics.* (Counting as two points.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text-books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations: C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham); Hall and Knight's *Algebra*, Phillips and Fisher's *Elements of Geometry* (abridged edition); Wentworth's *Geometry*.

II. Latin.—Grammar and Composition. (Counting as one point.) Translation at sight of simple passages in Latin prose. (Counting as two points.) Translation at sight of simple passages of Latin poetry. (Counting as one point.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

Latin.

The Latin read in preparation may be selected from Cæsar (*Galic War* and *Civil War*)*. Nepos (*Lives*), Cicero (*Orations*, *Letters*, and *De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Æneid*, *Bucolics*, and *Georgics*), and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Galic War*, I–IV, Cicero, *Manilian Law*, *Archias*, and four *Orations against Catiline*, and Vergil, *Æneid*, I–VI. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

* Since the comprehensive examinations are not graded students offering these will receive in case they pass only the passing mark 60 per cent.

See foot note, page 180.

English.

III. English.—*New type of Examination, optional until the winter of 1921 and obligatory in and after the spring of 1921.*

English Literature. (Counting as two points.) English Composition. (Counting as two points.) In consequence of changes recently made in the college course in English Composition and after consultation with a number of preparatory schools, the college has modified the matriculation examinations in English. This new type of examination will be optional until the winter of 1921 and will be obligatory in and after the spring of 1921. Papers illustrative of the new examination may be obtained from the Secretary and Registrar of the College.

The English examination will be in two parts, neither of which may be taken as a preliminary: Part I, Literature; Part II, Composition. As a basis for the examination a list of books is prescribed chosen from the list agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States. From the Bryn Mawr list such a selection should be made as will give the candidate a fair idea of the progress of English literature from the time of Shakespeare to the Nineteenth Century. An intelligent reading, not a detailed knowledge of these books is expected, though it is hoped that the candidate will commit to memory some of the best passages of prose and poetry. For the better understanding of her reading she should be familiar with the important events in the lives of the authors that she studies and with the general character of the periods to which they belong. In Part I of the examination passages outside the prescribed reading will also be given to test the candidate's ability to read intelligently, and the definition of words and the explanation of well-known references and allusions will be asked for.

The candidate's ability to write English will be judged by the form and quality of her work in both parts of the examination and, in particular, by a composition of 350 words which will constitute Part II of the examination. In this composition the candidate will be asked to develop a theme through several paragraphs to its conclusion. Of three or four subjects assigned for the choice of the candidate, one will be on the reading prescribed for the examination and two or three will relate to matters of general knowledge or personal experience.

No separate paper on Grammar and Punctuation is set, but the candidate's knowledge of these subjects will be judged by her practice. Ability to punctuate her own sentences correctly is expected, and a knowledge of grammar and good usage—for example, of the different kinds of sentences and the relation of clauses within the sentence, of the sequence of tenses, and of the use of auxiliaries, prepositions, conjunctions and verbs.

In grammar and rhetoric no text-books are prescribed, but the following will suggest the preparation required: Boynton, *Principles of Composition* (Ginn & Co.); Robins and Perkins, *Introduction to the Study of Rhetoric* (Macmillan); Gardiner, Kittredge, and Arnold, *Manual of Composition and Rhetoric* (Ginn & Co.)

The Department of English will be glad to consider comments and suggestions from the schools relative to the examination. Such com-

munications should be sent to the office of the Secretary and Registrar of the College.

Reading. The English examination will be based on the following books chosen from the list of books prepared by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States.

A. All selections in this group are to be read, due regard being paid to the alternatives offered among Shakespeare's plays. Shakespeare: 3 plays—1 comedy, 1 tragedy, and 1 history—are to be chosen from the following list. . . *A Midsummer Night's Dream, The Merchant of Venice, As You Like It, Julius Cæsar, Macbeth, Richard II, Henry V, Richard III.* Addison and Steele, *The Sir Roger de Coverley Papers*; Burke, *Speech on Conciliation with America*; *The Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats and Shelley; Coleridge, *The Ancient Mariner*.

B. Two selections are to be made from each of the following four groups: 1. *A Collection of English and Scottish Ballads*, as, for example, some Robin Hood ballads, *The Battle of Otterburn, King Estmere, Young Beichan, Bewick and Grahame, Sir Patrick Spens*, and a selection from later ballads. Milton, *L'Allegro, Il Penseroso*, and either *Lycidas* or *Comus*; *The Golden Treasury* (first series), Books II and III; Pope, *The Rape of the Lock*; Macaulay, *Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivy*.

2. Scott, *The Lady of the Lake* or *Marmion*; Byron, *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*; Browning, *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Lost Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus," Instans Tyrannus*; Tennyson, *The Princess, or Gareth and Lynette, Lancelot and Elaine*, and *The Passing of Arthur*; Arnold, *Sohrab and Rustum* and *The Forsaken Merman*.

3. Lamb, *Essays of Elia* (about 200 pages); Macaulay, *Life of Johnson* or *Essay on Milton*; Ruskin, *Sesame and Lilies*; Stevenson, *An Inland Voyage* or *Travels with a Donkey*; Huxley, *Autobiography* and Selections from *Lay Sermons* including the addresses on *Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk*.

4. Bunyan, *Pilgrim's Progress*, Part I; Swift, *Gulliver's Travels* (Lilliput and Brobdingnag); Defoe, *Robinson Crusoe*; Scott's Novels, any one; Jane Austen's Novels, any one; Dickens' Novels, any one; Thackeray's Novels, any one; George Eliot's Novels, any one; Stevenson, *Treasure Island, Kidnapped, Master of Ballantrae*; Hawthorne, *House of the Seven Gables*.

The old type of examination as follows may be offered instead of the new type up to and including the winter of 1921:

English Grammar. (Counting as one point.) English Composition. (Counting as three points.) The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English Grammar may be taken in the Preliminary Examination and consists of the correction of passages of incorrect English. Questions will be asked to test the candidate's knowledge of the grammatical principles involved in the corrections, in especial concerning the details of sentence structure. The examination in English Composition consists of a critical composition of 350 words, and in addition, of one or two paragraphs in which the candidate is asked to give in a descriptive or narrative form the substance of important parts of the required reading.

Candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the

North Central States, and the Southern States: Shakespeare's *As You Like It*, *The Merchant of Venice*, *Julius Cæsar*, and *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Essay on Milton*; Tennyson's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Herré Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*; Stevenson's *Inland Voyage and Travels with a Donkey*.

In preparing for this examination special attention should be given to the structure of the whole composition, and the analysis of model essays, for example Arnold's *Essay on Gray*, is recommended. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for paragraph structure, sentence structure, and punctuation.

History.

IV. History.—The outlines of Ancient History. (Counting as one point.)

In Ancient History the period covered will extend from the rise of Egypt and Babylonia to the coronation of Charlemagne in 800 A. D. Most attention will be given to the history of Greece and Rome, less to the history of the oriental empires and to the time following the Germanic invasions. Knowledge of the geographical setting of events will be tested by questions referring to an outline map furnished in the examination. It will be assumed that more instruction has been given in narrative than in constitutional history. Questions will be asked about the social life of the ancient world as well as about the general development of its thought and art. Standard texts, such as Breasted's *Ancient Times*, Westermann's *Story of the Ancient Nations*, Goodspeed-Ferguson's *History of the Ancient World*, Webster's *Ancient History*, Botsford's *History of the Ancient World*, and West's *Ancient History* (revised) should serve as a suitable basis for instruction. Supplementary reading on selected topics and the writing of papers relating to this reading are desirable exercises. Teachers will find useful such interpretations as Zimmern's *Greek Commonwealth*, Ferguson's *Greek Imperialism*, Dickinson's *Greek View of Life*, Fowler's *Social Life at Rome in the Age of Cicero*, Frank's *Roman Imperialism*, and Dill's *Roman Society from Nero to Marcus Aurelius*.

Physics.

V. Physics.—For candidates offering the matriculation examination (New Requirements) Physics will count as two points, and for those offering the matriculation examination (Old Requirements) a different examination paper will be set and the subject will count as one point.

Physics should be studied in one or both of the last two years of preparation for college, the equivalent of at least one year being devoted to the subject with five periods weekly of at least forty minutes each for recitations and demonstrations. Two additional periods of laboratory work should be required and regarded as part of the outside preparation. A brief statement of the laboratory work of each candidate should be prepared by the teacher or tutor and submitted at the time of the examination. It should include an estimate of the quality as well as of the amount of work done by the candidate. A specimen examination paper, to be obtained from the Secretary and Registrar of the College, may be taken as fairly typical of the papers that will be set.

No particular text-books are prescribed, but among books that may be recommended are Millikan and Gale's *A First Course in Physics* and *Laboratory Manual*, Black and

Davis's *Practical Physics*, N. Henry Black's *A Laboratory Manual in Physics*. For supplementary reading *Physics of the Household*, by C. J. Lynde, will be found helpful. Attention is called to the fact that Millikan and Gale's *Laboratory Manual* contains a list of apparatus necessary for experiments.

VI. Two of the following languages:

Greek.—Grammar and Composition. Very simple prose composition with words and construction taken from Xenophon's *Anabasis*, with questions to test the knowledge of regular forms and the rules of elementary syntax. (Counting as one point.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*, with questions on the parts of verbs and syntax involved. (Counting as one point.) Translation at sight of passages of average difficulty from Homer. (Counting as one point.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

Greek.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

French.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French. There will be a passage of English to be translated into French accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This examination is a test of the candidate's power to read at sight ordinary French prose and verse.

French.

For the examination in reading no texts are assigned. The passages for translation given in the New Plan Examinations will be somewhat more difficult than those given under the old requirements. They will be accompanied by questions in grammar and syntax based on the text.

Teachers preparing students who wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

German.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German. There will be a passage of English to be translated into German accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

German.

For the examination in reading no texts are assigned. The passages for translation given in the New Plan Examinations will be somewhat more difficult than those given under the old requirements. They will be accompanied by questions in grammar and syntax based on the text.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

NEW REQUIREMENTS EXAMINATIONS.

These examinations are optional until the winter of 1923. In and after the spring of 1923 they will be obligatory for all candidates taking the examination for matriculation. Candidates completing their examination for matriculation in 1923 are required to take the Preliminary

*New
Require-
ments
Examina-
tions.*

Division and the First Division according to the New Requirements. Both in the Old Requirements and in the New Requirements all candidates must take Mathematics, Latin, English, Ancient History, and Physics. There is no change in these subjects or in the points they represent except that in the New Requirements Physics counts two points instead of one point as in the Old Requirements. Both in the Old Requirements and in the New Requirements all candidates must take an examination counting three points in Greek, or French, or German, known as the language three-point examination. This examination is based on a *four years' course* of preparation, not a three years' course as in the Old Requirements. The three-point examination in the fourth language which was obligatory in the Old Requirements is done away with in the New Requirements and two examinations, each counting one point, in English History or American History and in one of the four sciences (Physiology and Hygiene, Chemistry, Physical Geography, or Botany) are substituted for it.

History.

History.—The outlines of the History of England; or the outlines of the History of the United States. (Counting as one point.)

Cheyney's *A Short History of England*, and *Readings in English History*, Larson's *Short History of England*, and McLaughlin's *History of the American Nation*, Adams and Trent's *History of the United States*, or Muzzey's *History of the United States*, indicate the preparation required in the History of England and the United States.

Science.

Science.—The elements of one of the following sciences:—Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany. (Counting as one point.)

Stiles's *Human Physiology and Nutritional Physiology* or Hough and Sedgwick's *Human Mechanism* supplemented by demonstration and laboratory work; Remsen's *Introduction to the Study of Chemistry* (Briefer Course) or Alexander Smith's *Text-book of Elementary Chemistry*; Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*, Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology* serve to indicate the preparation required.

TWO-POINT OPTION IN LANGUAGE.

Two-Point Option in Language.

For the above examinations in History and Science, counting one point each, candidates may substitute an examination counting two points in a fourth language (in addition to Latin and English and the third language required of all candidates) and may choose for this examination any one of the five languages, Greek, French, Italian, Spanish, or German which has not been offered, or will not be offered, for the third examination in Language.*

* Only Greek or French or German may be offered for the three-point language examination. Italian or Spanish may not be offered.

Greek.—Candidates may offer two of the three points, Grammar and Composition, one point; Prose Authors, one point, and Poets, one point. The two examinations must be taken in the same examination period.

*Two-Point
Greek.*

The examination will test the knowledge of Greek that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two point option in Greek in the examination for matriculation will not be permitted to enter the minor course in Greek given in the college without a supplementary examination.

French.—Grammar and Composition and Prose and Verse Translation. (Counting as two points.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French, and also the candidate's power to read at sight simple French prose and verse.

*Two-Point
French.*

The examination will test the knowledge of French that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in French in the examination for matriculation will not be permitted to enter the minor course in French given in the college without passing a supplementary examination.

Italian.—Grammar and Composition and Translation at sight of simple passages in Italian prose and verse. (Counting as two points.)

*Two-Point
Italian*

The examination will test the knowledge of Italian that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two point option in Italian in the examination for matriculation will not be admitted to the major course in Italian given in the college without passing a supplementary examination.

Italian Grammar—Grandgent (Heath and Co.); Italian Grammar—Phelps (Ginn and Co.); Italian Short Stories, ed. Wilkins and Altrocchi (Heath and Co.); An Italian Reader, ed. A. Marinoni (W. R. Jenkins Co., N. Y.), are recommended as text-books.

Spanish.—Grammar and Composition and Translation at sight of simple passages in Spanish prose and verse. (Counting as two points.)

*Two-Point
Spanish.*

The examination will test the knowledge of Spanish that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered the two-point option in Spanish in the examination for matriculation will not be permitted to enter the major course in Spanish given in the college without passing a supplementary examination.

Coester's Spanish Grammar (First 21 lessons), (Ginn and Co.); Crawford's Spanish Composition (Holt and Co.); Marcial Dorado's Reader, España Pintoresco (Ginn and Co.), are recommended as text-books.

German.—Grammar and Composition and Prose and Verse Translation. (Counting as two points.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German, and also the candidate's power to read at sight simple German prose and verse.

*Two-Point
German.*

The examination will test the knowledge of German that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in German in the examination for matriculation will not be permitted to enter the minor course in German given in the college without passing a supplementary examination.

REQUIREMENTS FOR DEGREES.

*Studies
Leading
to the
Degree of
Bachelor
of Arts.*

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of two of the five languages, Greek, French, Italian, Spanish or German‡ and must have passed the matriculation examination in Latin. She must have attended college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;§ she must have fulfilled the requirements of the departments of health, athletics and gymnastics.

If, at the end of her junior year, or in February of her senior year, a student has received a grade *below* seventy per cent in as many as one-half the one hundred and twenty hours* required for her degree that she has offered for examination, she will be required to withdraw from the college; and students who have not obtained merit in as many as one-half of the hours offered for examination, or have been conditioned in five or more hours, are liable to be asked to withdraw at the end of any semester and are to be regarded as on probation.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken of the 120 hours required for her degree will be permitted to hold office in any of the organizations of the college, or of the student body, to take part in any entertainment requiring preparation, to undertake any paid work or to compete for, or hold any college scholarship.

*Required
Studies.*

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

* The word hour here means one hour a week for one semester. In calculating the stadding of students under this rule every course offered for examination (including Minor Latin and Matriculation Greek when taken in the examination for matriculation and advanced standing examinations in foreign languages) and also trigonometry, and solid geometry when offered for advanced standing must be counted. A grade once received may not be cancelled.

† Since this merit law went into effect in 1907 no student who has not fulfilled the requirements as above stated has received a degree.

‡ If Greek is the language offered for entrance French or German must be offered for examination at the beginning of the junior year.

§ Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

Elementary Greek or Minor Latin, five hours a week for one year. Those students, however, who offered Greek in the examination for matriculation may substitute for the elementary course in Greek the minor course in Greek or the minor course in Latin.* These courses may not be taken later than the junior year.

English, five hours a week for two years.

Philosophy and Psychology, five hours a week for one year.

Science, five hours a week for one year.

Post-major courses in one or both group subjects, five hours a week for one year; or *Any other subject*, five hours a week for one year.

Two Major Courses, of five hours a week for two years each, constituting one of the following groups: any Language with any Language;† History with Economics and Politics, or with French, or Italian, or Spanish or German or History of Art; Economics and Politics with Philosophy, or with Psychology, or with Geology; Philosophy or Psychology, or Philosophy and Psychology‡ with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology or Geology; Psychology with Biology; Classical Archæology with Greek or Latin; History of Art with French, or Italian, or Spanish, or German; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

Major Courses.

Free Elective Courses,§ amounting to five hours a week for two years (10 hours in all), to be chosen by the student. It should be noted that any minor course may be taken as a free elective without electing the group that includes it, and any courses open as free electives may be chosen without taking the remainder of the minor course of which they may form a part.

Free Elective Courses.

* A student choosing Greek as one of the subjects of her group, and not wishing to study Latin, may substitute for the year of Greek five hours a week for one year of post-major Greek, or a year of French, or Italian, or Spanish, or German.

A student choosing Latin as one of the subjects of her group and not wishing to study Greek may substitute for the year of minor Latin five hours a week for one year of post major Latin, or a year of French, or Italian, or Spanish, or German.

† For the purpose of forming a group with another language, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

‡ For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.

§ Students who have offered in the examination for matriculation the two-point option in foreign languages permitted in the New Requirements in place of history, one point, and science, one point, are required to take five hours of free elective in history and science as follows: history, five hours a week for one semester and science (in addition to the year of required science), five hours a week for one semester; or history, five hours a week for one year, provided history has not been selected as a group subject; or science, five hours a week for one year, provided science has not been selected as a group subject.

*Reading
Knowledge
of two
Languages.*

Reading Knowledge of Two Languages. At the beginning of the sophomore, junior and senior years every undergraduate student is required to take a written examination of one hour in length in the language, Greek,* or French, or German, that she has offered for matriculation. If she fails to pass this examination she is required to attend, and pay for, special classes in the language one or two hours a week throughout the year in question. If she fails to pass this examination at the beginning of her senior year she must take another examination on the Saturday preceding the final examinations of the year in question. Failure to pass will defer her degree until the following year.

At the beginning of the junior year every member of the junior class is required to take a written examination of one hour in length in one of the languages Greek, or French, or Italian, or Spanish, or German, but the language selected may not be the one offered for matriculation, and students who have offered Greek for matriculation must offer for their junior examination either French or German. If the student fails to pass this examination she is required to attend during her junior year the elementary course in the language in which she has failed, unless she has already taken this course. In this case she must attend a special class in the language two hours a week throughout the year and must pass an examination in it at the beginning of her senior year. The examination must be passed before the degree is conferred.

*Tabular
Statement.*

The studies required for a degree may for convenience be tabulated as follows:

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.†
English. [Two Courses.]	Philosophy and Psychology.	Science: Physics, or Chemistry, or Geology, or Biology.	Post-major courses in one or both group subjects or Five hours a week for one year in any other subject.	Elementary Greek, or Minor Latin (or Minor Greek.)

* Students who have taken a two or three hour course in Greek throughout the year and passed the examinations at the end of each semester are exempt from the examination in Greek at the beginning of the following year.

† Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year. Students selecting Greek or Latin as one of their group subjects are referred to the footnote, page 189.

Two Major Courses (Five hours a week for Two Years Each).

Constituting any one of the following sixty-nine groups:

I—XXV. Any Language with any Language* (Twenty-five Groups).	XXVI. Modern History with French.	XXVII. Modern History with Italian.	XXVIII. Modern History with Spanish.
XXIX. Modern History with German.	XXX. Modern History with Economics and Politics.	XXXI. Modern History with History of Art.	XXXII. Economics and Politics with Philosophy.
XXXIII. Economics and Politics with Geology.	XXXIV. Philosophy with Greek.	XXXV. Philosophy with Latin.	XXXVI. Philosophy with English.
XXXVII. Philosophy with Psychology.	XXXVIII. Philosophy with Mathematics.	XXXIX. Philosophy with Physics.	XL. Philosophy with Geology.
XLI. Philosophy and Psychology with Economics and Politics.	XLII. Philosophy and Psychology with Greek.	XLIII. Philosophy and Psychology with English.	XLIV. Philosophy and Psychology with Mathematics.
XLV. Philosophy and Psychology with Physics.	XLVI. Psychology with Economics and Politics.	XLVII. Psychology with Greek.	XLVIII. Psychology with English.

* For the purpose of forming a group with another language, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

XLIX. Psychology with Mathematics.	L. Psychology with Physics.	LI. Psychology with Biology.	LII. Classical Archæology with Greek.
LIII. Classical Archæology with Latin.	LIV. History of Art with French.	LV. History of Art with Italian.	LVI. History of Art with Spanish.
LVII. History of Art with German.	LVIII. Mathematics with Greek.	LIX. Mathematics with Latin.	LX. Mathematics with Physics.
LXI. Mathematics with Chemistry.	LXII. Mathematics with Geology.	LXIII. Mathematics with Biology.	LXIV—LXIX. Any Science with any Science (Six Groups).

*Free Elective Courses.**

Ten hours a week for one year in any subject, or subjects, the student may elect.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation Greek, and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

* See, however, footnote to page 189 for statement restricting five hours a week for one year of free elective for students who have offered for matriculation the two-point option in a foreign language in place of science and history.

CLASSICS. *As Required Studies*, [Matriculation Greek or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Modern, or Ancient History, or Post-major Greek or Latin, or Minor Philosophy, or Minor Mathematics. *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Modern, or Ancient History, or Minor English or Minor Philosophy. *As a Group*, French and Italian, or French and Spanish, or French and Italian and Spanish, or Italian and Spanish, or French and German. *As Free Electives*, Italian and Spanish, or French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and French, or English and Italian and Spanish, or English and Spanish, or English and German, or English and Philosophy. *As Free Electives*, Latin or Greek or History or Philosophy, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Physics, Post-major Mathematics or Modern or Ancient History, or Minor Latin. *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, any Science, any Language, or Post-major History, or Economics and Politics, or Minor Philosophy, or Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), Minor Latin, or Post-major Greek, or Modern, or Ancient History,

or Minor Mathematics. *As a Group*, Greek and Philosophy. *As Free Electives*, Minor English and Minor Psychology ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), any Language, or Modern, or Ancient History, or Minor Economics and Politics. *As a Group*, English and Philosophy. *As Free Electives*, Psychology and English, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), Minor Spanish or Italian, or Minor Economics and Politics, or Minor Philosophy, or Elective Education. *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Post-major Modern History.

PHILOSOPHY OR PSYCHOLOGY (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History). *As a Group*, Philosophy or Psychology with Economics and Politics, or with Mathematics, or with Physics. *As Free Electives*, Post-major Economics, and Politics, or Mathematics, or Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Biology, or Geology), any Modern Language or Ancient History, or Minor Philosophy, or Mathematics. *As a Group*, Greek and Classical Archæology. *As Free Electives*, Elective or Post-major Greek, or Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, or Minor Philosophy, or Minor Mathematics. *As a Group*, Physics and Chemistry, or Physics and Geology, or Physics and Biology, or Chemistry and Geology, or Chemistry and Biology, or Geology and Biology. *As Free Electives*, Mathematics and Physics, or Chemistry, or Geology, or Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, or Minor Latin (if not taken as a required study), ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Minor and Major Biology.

As a Group, Economics and Politics and Philosophy, or Psychology. *As Free Electives*, Elective Social Economy, or Education, or Philosophy, or Psychology.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, or economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any language with any language, or Chemistry and Biology. *As Free Electives*, Major History, five hours a week for one year, and Post-major History, or Oriental History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Major History, Major Economics and Politics, and for Oriental History, Post-major Economics and Politics, or Elective Social Economy.

III. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Physics and Chemistry, or Geology, or Biology. *As a Group*, any language with any language. *As Free Electives*, Major and Post-major Physics, or Chemistry, or Geology, or Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Oriental History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work. Regular attendance at classes is required.

The studies leading to the degree of Bachelor of Arts may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect

English as a major study, for example, should take the general English literature lectures and composition in their first and second years in the college because they are required to complete this work before entering the major course in English. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and Matriculation Greek, French, or

German, or Minor Latin may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of French, Italian, or Spanish, or German by attendance on advanced school or college classes, or by residence abroad, or by study under instructors or governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Master of Arts or for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for these degrees.

*Studies
Leading
to a
Second
Degree.*

The Degree of Master of Arts.

The degree of Master of Arts may be conferred upon graduates of Bryn Mawr College and upon graduates of other colleges who shall have satisfied the Graduate Committee that their course of study has been equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

*The Degree
of
Master of
Arts.*

REQUIREMENTS.

The candidate must attend at Bryn Mawr College three seminaries, or their equivalent in graduate courses, unless by permission of the Graduate Committee she is allowed to substitute post-major (third or fourth year undergraduate) courses for one of the seminaries. Preliminary training equivalent to the Bryn Mawr College undergraduate major

course in the subject of the seminary, or in related subjects of equal value in preparation, is required for admission to a seminary. Each seminary requires one-third of the student's time for one year. The minimum time in which the work can be completed is therefore one year, but the work cannot be done in one year unless the candidate is thoroughly prepared in all the subjects she offers, and gives her entire time to graduate study.

The candidate is required to pass with a creditable grade written examinations on the seminaries or courses offered, such examinations to be held in the first week of the May examination period.

The degree is given to no one who cannot read French and German or who is unacquainted with Latin. The Graduate Committee will provide written examinations in French and German twice each year, namely once during the week before Thanksgiving and once during the week before the spring vacation. Students who have already passed the general language examinations of the College in these languages may be excused from this requirement.

Registration.—The applicant for the degree must register with the Graduate Committee during October of the academic year in which she intends to take her degree, and her statement shall contain the approval of her courses by her instructors.

The Degree of Doctor of Philosophy and Master of Arts.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time.*—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence.*—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects.*—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses.*—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;* in the independent minor she shall take for one year two† seminars, or graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation.*—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita),

* The Graduate Committee may count as the equivalent of a seminar an amount of work that requires about fourteen hours per week of the student's time.

† If the major is taken in Science one seminar may be omitted in the independent minor under certain conditions.

of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Fees for Residence and Tuition.

Tuition for Under- graduate Students.

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.† An emergency fee of \$100 a year payable in advance by every undergraduate student, resident or non-resident, has been added to meet the increased cost of wages, coal, and the labour and materials for the necessary routine repairs to buildings. This emergency fee is not applied to any increases in the cost of tuition or food. Undergraduate students holding scholarships given for financial need are exempt from this charge. The average cost of teaching each undergraduate student was \$516.40 a year in 1918-19 and will be in excess of \$550 in 1920-21. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional three hundred and fifty dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of three hundred dollars can be made on

* Using the application blank issued by the Graduate Committee.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one-half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

account of absence, illness, dismissal during the currency of a semester, term, or year, or for any other reason whatever and no refunding will be made on account of any of the said causes in case of a payment in advance.

Every student who enters the college must register immediately at the comptroller's office, and must register her courses in the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of twelve dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of six dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighbourhood. The expense of board and residence in the college halls for undergraduate students is four hundred dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is four hundred or four hundred and seventy-five dollars. Of this charge three hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.*

*Residence
for
Under-
graduate
Students.*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, and the Physicians of the College. See pages 147 to 150 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

* Rugs and towels must be furnished by the students themselves.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary and Registrar of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. If there is any doubt about the date of entry it is suggested that application for two consecutive years may be made by deposit of a double fee, thus ensuring a better choice of rooms in the second year, if entrance in the year first planned proves impossible. The demand for rooms is very great and since reserving a room unnecessarily may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded only in the following cases. In all other cases the deposit will be forfeited to the college. Cheques should be made payable to Bryn Mawr College.

a. If an applicant who is a student of the college gives formal notice to the Secretary and Registrar of the College before the first of May preceding the academic year for which the application is made that she wishes to withdraw her application.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary and Registrar of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary and Registrar of the College before the first of December preceding the semester for which the application is made that she wishes to withdraw her application.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room for the second semester will be responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary and Registrar before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal after September first of any given year for any cause whatsoever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

In case of prolonged illness and absence from the college extending over six weeks or withdrawal from the college for a period of six weeks or more, there will be a special proportionate reduction in the charge for board, provided that written notice be given to the Dean of the College and to the Comptroller at the time of withdrawal, or, in case the student is ill at home, as soon as possible after her illness is known. Verbal notice to wardens or instructors is not sufficient to secure the above allowance.

Rooms are assigned to members of the entering class who have already received their Matriculation Certificate and their Certificate of Admission to the College during the summer preceding the academic year for which application is made.

* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

Candidates who do not complete their examinations until the autumn and are admitted to the college will be assigned rooms then if any rooms are vacant. No particular room or set of rooms may be applied for. Candidates who are admitted are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered.

Students are expected to provide their own rugs, curtains and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The student's personal washing may be done by any laundry recommended by the college for one dollar a dozen, or about \$16 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at \$1.75 a day or \$12.00 a week. During the Christmas vacation the halls of residence are closed but accommodation is provided on or near the college campus. During the Easter vacation the halls of residence are in general kept open and undergraduate and graduate students may occupy their own rooms at a fixed rate.

Students remaining during any part of the Christmas or Easter vacations in Bryn Mawr, or the immediate neighbourhood, not in their own homes, are required to take advantage of the arrangements made by the College and will be charged for the period of the vacation. Students not going to their own homes are required to inform the Secretary and Registrar in advance of their intention to spend the vacation elsewhere and to register their addresses in the college office.

*Summary
of
Expenses
for
Under-
graduate
Students.*

For undergraduate students the fees are as follows:

Tuition for the academic year, payable October 1st.	\$200.00
Room-rent for the academic year, payable October 1st.	100.00*
or \$175, \$250, \$275, \$300, \$325, \$360, \$400, \$450, \$525, depending on the room or rooms occupied.	
Infirmary fee for the academic year, payable October 1st.	10.00
Board for the academic year, payable in equal instalments, October 1st and February 1st.	300.00
Emergency fee.	100.00
Total for tuition, residence, and infirmary fee for the academic year with minimum room-rent.	\$710.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year.	12.00
For laboratory course of four or more hours a week for the academic year.	24.00
Graduation fee.	20.00

* In about one-sixth of the college rooms the rent is \$100, making the cost of board, residence, and tuition for undergraduate students \$710, but students desiring to apply for rooms at \$100 must file a statement at the office of the Secretary and Registrar that they are unable to afford rooms at a higher price.

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Doris Earle, Chestnut Hill, Philadelphia, Mrs. Alice Dudley Patterson Bensinger, 30 W. Ashmead Place, South Germantown, Philadelphia, Miss Elizabeth Yarnall Maguire, 3813 Spruce Street, Philadelphia, and Miss Katharine Leonard Howell, 3307 Hamilton Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

Loan Fund.

SCHOLARSHIPS.—Four competitive entrance scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:—(a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Scholarships.

Eight scholarships for non-resident students of \$200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The Scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded

every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of \$200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgement of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of \$200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship* of the value of \$200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of \$200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of \$400 each, for one year, are open to those graduates of Earlham, Penn, and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the College to promote the advanced education of women in the Society of Friends, of which he was a member.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships,* two in number, each of the value of \$250 for one year, were founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than forty-five hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than forty and not more than seventy-five hours (five semesters' work) for a year, and have been in attendance upon

* For method of application see footnote, page 207.

lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, two members of the Faculty of the College, appointed annually by the Council, the President of the Alumnae Association of Bryn Mawr College and three other members of the Alumnae Association appointed by the executive committee of the Alumnae Association.

The Mary E. Stevens Scholarship* of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters.

Two Maria Hopper Scholarships* of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Anna M. Powers Memorial Scholarship* of the value of \$200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College.

A special Thomas H. Powers Memorial Scholarship* of the value of \$200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Anna Hallowell Memorial Scholarship* of the value of \$100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is desired.

The Frances Marion Simpson Scholarships,* four in number, each of the value of \$200, were founded in 1912 by Mr. Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship to be awarded in each October, to a candidate who receives her final certificate in the preceding spring matriculation examination. Competition for these scholarships is open in the first place to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania, so long as she shall be conducting the same; or in default thereof to residents of other counties in Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition or if living at a distance, the fees for tuition and board, in Bryn Mawr College are entitled to compete. In special cases the scholarship may be awarded to a candidate from some other locality, in which case the restriction to preparation in public schools may also be relaxed, or it may be awarded to some one who can pay part of the charge for her tuition, or for her tuition and board, but not the whole thereof.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Mary Anna Longstreth Memorial Scholarship* of the value of \$200 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae, and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a student who needs financial aid to begin or continue her college course.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

The Chicago Bryn Mawr Club has presented annually since 1914 the sum of \$100 to be used as a scholarship for a student in financial need. This scholarship may be awarded, if necessity arise, for use during the second semester to enable the holder to remain in college.

The Pittsburgh Bryn Mawr Club founded in 1917 a competitive entrance scholarship of the value of \$200. The applicant for this scholarship must have received her last two years of preparation for college in Allegheny County, Pennsylvania, and the scholarship will be awarded to the candidate satisfying this requirement who has received the highest average grade in the examinations for matriculation. Application for this scholarship must be addressed to the Bryn Mawr Club of Pittsburgh before June 1st of the year in which the applicant desires to enter the college.

The Charles S. Hinchman Memorial Scholarship of the value of \$500 was founded in 1917 in memory of the late Charles S. Hinchman of Philadelphia by his family. The holder will be nominated to the Faculty by the Undergraduate Scholarships Committee of the Faculty which will be guided in its selection by (1) the student's record in her group

* See footnote, page 207.

subjects, (2) written recommendations from the instructors in these subjects, (3) evidence of the student's ability as shown by written work in her group subject together with a written estimate of the same by the instructor most directly concerned, such work to be submitted not later than March 15th of the year preceding the one in which the scholarship is to be awarded.

The Elizabeth S. Shippen Scholarships were founded in 1917 by the bequest of the late Elizabeth S. Shippen of Philadelphia. Three scholarships will be awarded each year, one to a member of the senior class and two to members of the junior class, as follows:

The Shippen Foreign Scholarship of the value of \$200 will be awarded each year to the member of the senior class who is elected to the Bryn Mawr European Fellowship.

The Shippen Scholarship in Science of the value of \$100 will be awarded annually to the member of the junior class, one or both of whose major subjects lie in one of the Scientific Departments, viz., Physics, Chemistry, Geology, Biology, who among those of her class so majoring shall have attained the highest average grade in courses taken in one of these departments.

The Shippen Scholarship in Foreign Languages of the value of \$100 will be awarded annually to the member of the junior class, one or both of whose major subjects lie in one of the Departments of Foreign Languages, viz., Greek, Latin, German, French, Italian, Spanish, who among those of her class so majoring shall have attained the highest average grade in courses taken in one of these departments.

The computation of the average grades will be based on the grades received during the Freshman, Sophomore, and the first semester of the Junior years. Grades on elementary courses shall not be included. No student shall be considered eligible for the Science or Foreign Language Scholarship who has not completed at least fifteen hours of work in the subject on which the computation is based. The winner of the Charles S. Hinchman Memorial Scholarship will not be eligible for the Shippen Scholarship in Science or in Foreign Languages.

The Anna Powers Memorial Scholarship consisting of the income of a gift of \$1000 was founded in 1919 by Mrs. Charles Merrill Hough in memory of her sister Anna Powers, a member of the Class of 1890. The award of the scholarship is to be made by the Faculty of Bryn Mawr College.

The Sheelah Kilroy Memorial Scholarships in English of the value of \$125 each were founded in 1919 by Dr. and Mrs. Philip Kilroy in memory of their daughter Sheelah. These scholarships will be awarded annually on the recommendation of the Department of English, one to the student who does the best work in the required English courses, and one to the student who does the best work in the advanced English courses.

The Constance Lewis Memorial Scholarship, of the value of \$100 annually, was founded in 1919 by the Class of 1904 in memory of their classmate Constance Lewis. The award of the scholarship is to be made by the Faculty of Bryn Mawr College.

FOUNDATION OF SCHOLARSHIPS.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

FORM OF BEQUEST.

I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

Dated.....

* The bequest may be made, if desired, for foundation of professors' chairs, scholarships fellowships, or for some other specified purpose.

*Tuition
for
Graduate
Students.*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. An emergency fee of \$100 has been added to meet the increased cost of food, coal, and of the labour and materials for the necessary routine repairs to buildings. Holders of fellowships and graduate scholarships and graduate students taking less than eight hours of lectures are exempt from this charge. For other graduate students* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures forty dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's

* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated below are charged in addition to the charge for tuition.

office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of \$21.50 a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to \$14.50 a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to \$7.50 a semester.

The fee for the graduate laboratory course in applied psychology is \$6.00 a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of \$12.00 a semester for every laboratory course of four or more hours a week, and of \$6.00 a semester for every laboratory course of less than four hours a week.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of \$6.00 a semester and are also required to provide themselves with two 50 trip tickets between Bryn Mawr and Philadelphia costing \$15.30. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

*Laboratory
Fees.*

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is four hundred dollars. Of this amount three hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance.* Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.†

*Residence
for
Graduate
Students.*

Each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence is required to sign a room contract and to return it with a deposit of fifteen dollars to the Secretary and Registrar of the College. The amount of this

* For a statement of the conditions under which the fee for board may be reduced in case of prolonged illness and absence from the college, see page 203.

† Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary and Registrar of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College.

Students making application for a room for the second semester forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room for the second semester is responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary and Registrar before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.75 a day or \$12.00 a week. At Christmas the college halls are closed, but accommodation is provided on or near the college campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighbourhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Secretary and Registrar of the College in advance of their intention to spend the vacation elsewhere, and register their addresses in the college office.

*Summary
of
Expenses
for
Graduate
Students.*

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:	
For one hour* a week of lectures.....	\$10.00
For two hours a week of lectures.....	20.00
For three hours a week of lectures.....	30.00
For four or five hours a week of lectures.....	40.00
For six or more hours a week of lectures.....	62.50
Room-rent for the academic year, payable on registration.....	100.00
Board for the semester payable on registration.....	150.00
Emergency fee for the year.....	100.00

* See footnote, page 210.

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	100.00
Board.....	300.00
Infirmary fee.....	5.00
Emergency fee.....	100.00

Total for tuition, residence, and infirmary care for the academic year \$630.00
 Laboratory fees for the academic year..... \$12 to \$43.00

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

*European
Travelling
Fellow-
ships.*

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary Elizabeth Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

These fellowships are awarded to assist candidates for the Doctor's degree at Bryn Mawr College to complete their prepa-

ration. It is therefore understood that holders of the President M. Carey Thomas and Mary Elizabeth Garrett Fellowships will not present themselves as candidates for the degree of Doctor of Philosophy elsewhere than at Bryn Mawr College.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who shows such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

*Resident
Fellow-
ships.*

The Helen Schaeffer Huff Memorial Research Fellowship founded in 1913, is awarded annually to a student desiring to carry on research in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College. The value of the Fellowship in 1920-21 will be twelve hundred dollars.

Applicants for this fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities and have shown capacity for research. The award of the fellowship will depend primarily upon the record of the applicant as a research student. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student studying at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the

Committee it is imperative for that student to go to some other college or university in order to complete an important piece of investigation.

Eighteen resident fellowships, of the value of \$530 each, are awarded annually in Greek, Latin, English, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Education, Archæology, Mathematics, Physics, Chemistry, Geology and Biology, in Economics and Politics named the Justus C. Strawbridge Fellowship, and two in Social Economy and Social Research named the Carola Woerishoffer Memorial Fellowships. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of five hundred and thirty dollars for tuition, board, room-rent, and infirmary care.

*Duties of
Resident
Fellows.*

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

A resident Intercollegiate Community Service Association and Bryn Mawr College joint fellowship* was established in 1915 and is offered by the Intercollegiate Community Service Association and by some alumnæ of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$625, \$125 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy. There is a charge of \$7.00 a week for board and lodging in the Settlement and in addition to the usual charge of \$125 for the graduate tuition fee in Bryn Mawr College, the usual laboratory and transportation fees. Applications may be sent to the President of Bryn Mawr College.

Two additional joint fellowships of the value of \$450 are offered by the Intercollegiate Community Service Association in conjunction with Smith College and Wellesley College, to graduates of Smith College and Wellesley College, respectively, who wish to prepare themselves for community service. By special arrangement with the Committee on Scholarships these scholarships may be held in connection with the College Settlement of Philadelphia and Bryn Mawr College. Smith and Wellesley alumnæ are referred for further information to Dean Hilda Worthington Smith, Bryn Mawr, Pennsylvania.

Two graduate scholarships entitling the holders to free residence and a nominal rate for board in the Settlement are offered by the College Settlement of Philadelphia to candidates who wish to study in the Carola Woerishoffer Department on condition that they will give at least six hours a week to work in the Settlement.

* The term fellowship is used here because adopted by the Intercollegiate Community Service Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars may undertake, while holding a scholarship, only a very limited amount of teaching or other paid work approved in advance by the President's office.

*Resident
Graduate
Scholar-
ships.*

The Margaret Kingsland Haskell resident scholarship in English composition of the value of seven hundred and fifty dollars is offered in 1919-20 and in each succeeding year and in 1920-21 and every third year thereafter two scholarships in English composition of the same value will be offered. These scholarships are open to graduates of Bryn Mawr College or of any college of good standing under the same conditions as the twenty graduate scholarships mentioned above.

The Susan B. Anthony Memorial Graduate Scholarship in Social Economy or Politics, founded in 1910 by her friend Anna Howard Shaw and her niece Lucy E. Anthony to commemorate her lifelong and splendid service in the cause of the enfranchisement of women, of the value of four hundred and thirty dollars, will be awarded annually to a candidate who wishes to devote herself to studies dealing with the position of women in industry and politics and gives promise of success in this field of work.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of two hundred dollars is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Two or more Scholarships in Industrial Supervision and Employment Management and two or more in Community Organization, each of the value of three hundred dollars are offered in the Department of Social Economy and Social Research.

Scholarships for British, French, Italian, Spanish, Swiss, Scandinavian and Dutch Women.

In the year 1920-21 nine graduate scholarships for foreign women of the value of five hundred and thirty dollars each are offered; these are open for competition as follows: three to English, Scotch, or Irish women, three to French woman, two to Spanish women, one to women from Italy, Switzerland, Scandinavia or the Netherlands. Candidates are required to have a preparation for graduate study equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. Renewal of these scholarships for a second year will not be granted except in very exceptional cases.

Holders of the scholarships are required to be in continuous residence at the college and to follow regular approved courses of study. The scholarships are of the value of \$530 and cover only the fees for board, residence, and tuition at Bryn Mawr College for one academic year. In addition those holders of scholarships who so desire will be given an opportunity to teach or do some other kind of work in the college for not more than five hours a week and the college will guarantee that each scholar who wishes may in this way earn \$100. In special cases when tutoring can be arranged for five hours a week throughout the year the sum earned may amount to \$200. The scholars are not permitted to accept any other paid position except as arranged by the college. Holders of the scholarships must meet their own traveling expenses. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

Two special graduate scholarships in Social Economy of the value of \$530 are offered to French women by two anonymous donors for the year 1919-20. These scholarships are open to women who wish to devote themselves to preparation in Industrial Supervision and Employment Management under the Carola Woerishoffer Graduate Department of Social Economy and Social Research. They are open for competition to all French women whose academic work has reached the standard equivalent to that denoted by the Bachelor's degree of any

* For the rates see page 212.

American college or university of acknowledged standing and whose preparation and experience especially fits them for this type of work. The other conditions of award are the same as those stated in the preceding paragraph.

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

*Duties of
Resident
Scholars.*

Application for resident fellowships or scholarships should be made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the first* of April preceding the academic year for which the fellowship or scholarship is desired. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

*Applications
for Resident
Fellowships
and
Scholarships.*

* Applications for the Scholarships open to British, French, Spanish, Italian, Swiss, Dutch, and Scandinavian women must be received by May the first, they should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed to the Recording Dean of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., or in the case of French scholars they may be addressed to M. Petit Dutailis, Office National des Ecoles et Universités Françaises, 96 Boulevard Raspail, Paris.

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
	GENERAL	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C. (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)
	MINOR	Greek, Plato (Sanders) French Literature Div. B (Schenck) Div. A. (Pardé) Economics, Introduction to Economics, Div. B (Franklin) Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)	Greek, Homer (———) French Reading and Composition, Div. B (Schenck) Div. A (Pardé) Economics, Introduction to Economics, Div. B (Franklin) Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry (Brunel) Geology (Bascom)
	MAJOR	Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)
	ELECTIVE	Europe Since 1870 (Gray) Educational Psychology (Arlitt) Biology, Theoretical (Tennent)	History of the U. S. from 1865 (W. R. Smith) Education (Castro)
	POST-MAJOR		
	GRADUATE	Seminary in Employment Management (———), 9-5 Physics (Huff)	Seminary in Social Research, Field Work (Kingsbury), 9-5
10	GENERAL	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
	MINOR	English, 19th Century Critics (Chew) German Grammar (Prokosch) Spanish, Div. A (De Haan) History of Europe, Div. A (David) Biology (Tennent)	English, 19th Century Critics (Chew) German Literature (Prokosch) Spanish Div. A (De Haan) History of Europe, Div. A (David) Biology (Tennent)
	MAJOR	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (G. G. King)
	ELECTIVE	Private Law (Fenwick)	Modern French Literature (Schenck) Modern Geography (Bissell)
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
	GRADUATE	Petrography (Bascom)	Applied Psychology (Rand), 10-12
11	GENERAL	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
	MINOR	Italian (Riddell) Economics, Introduction to Economics, Div. A (M. P. Smith) Philosophy, Logic and Ethics (T. de Laguna) Greek Sculpture (Carpenter)	Italian (Riddell) Economics, Introduction to Economics, Div. A (M. P. Smith) Philosophy, Logic and Ethics (T. de Laguna) Ancient Painting (Swindler)
	MAJOR	Latin, Tacitus (Wheeler) Spanish Reading (De Haan) History of the Renaissance (Gray) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (H. W. Wright) Spanish Literature (De Haan) History of the Renaissance (Gray) Physics (Barnes) Chemistry (Crenshaw)
	ELECTIVE	History of the Near East (Barton)	History of the Far East (Barton)
	GRADUATE	Seminary in Social Economy (Kingsbury, Deardorff, Additon), 11-1 Systematic Psychology (Ferree)	
12	MATRICULATION	French (Crawford)	French (Crawford)
	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) English, Middle English Romances Spanish, Div. B (Dorado) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)	Latin, Horace, Div. B (H. W. Wright) Div. A (Swindler) English, Middle English Romances (———) Spanish, Div. B (Dorado) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Gothic Architecture (G. G. King) Physics (Huff)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (———) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (———)	Greek Literature (———) English Drama (Chew) French Reading and Composition (———) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (———)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

FIRST SEMESTER, 1920-21.

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)
Greek, Plato (Sanders) French Literature Div. B (Schenck) Div. A (Pardé)	Greek, Homer (———) French Reading and Composition Div. B (Schenck) Div. A (Pardé)	Greek, Sophocles (Sanders) French Literature Div. B (Schenck) Div. A (Pardé)
Economics, Introduction to Economics, Div. B (Franklin)	Economics, Introduction to Economics, Div. B (Franklin)	Economics, Introduction to Economics, Div. B (Franklin)
Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)	Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel) Geology, Demonstration (Bascom)	Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)
Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)
Europe Since 1870 (Gray) Educational Psychology (Arlitt)	History of the U. S. from 1865 (W. R. Smith) Education (Castro)	Europe Since 1870 (Gray) Educational Psychology (Arlitt) Physical Basis of Music (Huff)
Social Economy Journal Club (Kingsbury, Deardorff, Additon, White), 9-11 Physics (Huff)	Industrial Supervision and Employment Management (———), 9-11 Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent and ——)	Seminary in Employment Management (——) 9-11 Physics (Huff)
English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
English, 19th Century Critics (Chew) German Reading (Prokosch) Spanish Div. A (De Haan) History of Europe, Div. A (David) Biology (Tennent)	English, 19th Century Critics (Chew) German Literature (Prokosch) Spanish Div. A (De Haan) History of Europe, Div. A (David) Biology, Demonstration (Tennent)	English, 19th Century Critics (Chew) German Reading (Prokosch) Spanish Div. A (De Haan) History of Europe, Div. A (David) Biology (Tennent)
Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (G. G. King)	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)
Cosmogony (Bascom)	Modern French Literature (Schenck) Modern Geography (Bissell)	
Physics (Barnes) Chemistry (Brunel)	Physical Chemistry (Crenshaw) Petrography (Bascom)	Physics (Barnes) Chemistry (Brunel) Petrography (Bascom)
English Composition, 1st year (Savage)	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
Italian (Riddell)	Italian (Riddell)	Italian (Riddell)
Economics, Introduction to Div. A (M. P. Smith)	Economics, Introduction to Div. A (M. P. Smith)	Economics, Introduction to Div. A (M. P. Smith)
Philosophy, Logic and Ethics (T. de Laguna) Greek Sculpture (Carpenter)	Philosophy, Logic and Ethics (T. de Laguna) Ancient Painting (Swindler)	Philosophy, Logic and Ethics (T. de Laguna) Greek Sculpture (Carpenter)
Latin, Tacitus (Wheeler) Spanish Grammar (De Haan) History of the Renaissance (Gray) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (H. W. Wright) Spanish Literature (De Haan) History of the Renaissance (Gray) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)	Latin, Tacitus (Wheeler) Spanish Reading (De Haan) History of the Renaissance (Gray) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)
History of the Near East (Barton) Mathematics (Scott)	History of the Far East (Barton)	History of the Near East (Barton)
Seminary in Social and Industrial Research (Kingsbury) Systematic Psychology (Ferree)	Community Organization (White), 11-1 Social Treatment (Additon), 11-1	Seminary in Employment Systematic Psychology (Ferree)
French (Crawford)	French (Crawford)	French (Crawford)
Latin, Cicero, Div. A (Wheeler) Div. B (Swindler)	Latin, Horace, Div. B (H. W. Wright) Div. A (Swindler)	Latin, Cicero, Div. A (Wheeler) Div. B (Swindler)
English, Middle English Romances (———) Spanish, Div. B (Dorado) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)	English, Middle English Romances (———) Spanish, Div. B (Dorado) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Gothic Architecture (G. G. King) Physics, Demonstration (Huff)	English, Middle English Romances (———) Spanish, Div. B (Dorado) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)
Greek, Aristophanes (Sanders) English Drama (Chew) French Literature (———) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (———)	Greek Literature (———) English Drama (Chew) French Reading and Composition (———) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (———) Chemistry Journal Club (Brunel and Crenshaw)	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (———) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (———)

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE		
	POST-MAJOR	Greek, Sophocles (Sanders) French, Lyric Poetry (Pardé) Economics and Politics, Economic and Social Problems (M. P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)	Greek, Sophocles (Sanders) French, Lyric Poetry (Pardé) Economics and Politics, Economic and Social Problems (M. P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)
	GRADUATE	Cynewulf and Caedmon (———), 2.30-4.30 Italian Seminary (Riddell), 2-4	Seminary in Municipal Government (Franklin) Seminary in Metaphysics (G. de Laguna), 2-4.
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Prose (S. A. King) Biblical Literature (Barton)	Elocution, Reading of Prose (S. A. King) Minor Arts (G. G. King) Advanced Experimental Psychology (Ferree)
	POST-MAJOR	Greek, Theocritus (———) Latin, Vergil (H. W. Wright) Spanish (Dorado) History, American Constitutional (W. R. Smith) Social Betterment (Kingsbury)	Latin, Vergil (H. W. Wright) Spanish (Dorado) History, American Constitutional (W. R. Smith) Social Betterment (Kingsbury) Mathematics, (Pell)
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar Psychology Journal Club (Leuba, Ferree, and Rand) Seminary in Modern Painting (G. G. King), 3-5	Greek Seminary, Attic Tragedy (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 French Literature (Pardé) Advanced Social Statistics (———)
4	GRADUATE	Latin Seminary, Epigraphy (H. W. Wright), 4-6 Seminary in Medieval French Literature (———), 4-6 Seminary in English Literature (Donnelly), 4-6 Seminary in Aramaic and Arabic (Barton) History Journal Club (Gray, W. R. Smith David), 4-6. Alternate Weeks Economics Journal Club (M. P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Seminary in Social Theory (Deardorff), 4-6 Psychology Seminary (Leuba), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and ——), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and H. W. Wright), 4.30-6. Alternate Weeks Middle English Seminary (———), 4.30-6 Semitic Seminary (Barton) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Educational Psychology (Castro), 4-6 Mathematical Journal Club (Scott and Pell), Alternate Weeks Seminary in Physiology 4.30-6 (———)
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (Dorado)	Comparative Semitic Grammar (Barton)

FIRST SEMESTER, 1920-21 (continued).

WEDNESDAY	THURSDAY	FRIDAY
	Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (———)	Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (———)
	Versification (Crandall) Chinese and Japanese Art (Fernald)	Chinese and Japanese Art (Fernald)
Greek, Herodotus (Sanders) Latin, Composition (H. W. Wright) French, Masterpieces of French Literature (Pardé) Economics and Politics, Economic and Social Problems (M. P. Smith) Spanish Painting (G. G. King) Biology, Embryology (Tennent)	German Literature (Prokosch) Modern French Drama (Schenck) Economics and Politics, International Law (Fenwick)	German Literature (Prokosch) Modern French Drama (Schenck) Economics and Politics, International Law (Fenwick) Mathematics (Pell)
Archæological Seminary (Carpenter), 2-4 Advanced Old French Philology (——) Intelligence Tests (Arlitt), 2-4 Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks	Seminary in European History (Gray) Seminary in Ægean Archæology (Swindler), 2-4	Greek Seminary, Plato (———), 2-4
	Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (———)	Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (———)
Argumentation (Crandall) Biblical Literature (Barton) Elements of Statistics (———)	The Short Story (Crandall) Minor Arts (G. G. King) Record Keeping (Kingsbury)	
Greek, Theocritus (———) Latin, Vergil (H. W. Wright) Spanish (Dorado) French Revolution (David) Mathematics, (Pell) Biology, Physiology (———)	Roman Elegy (Wheeler) Spanish (De Haan) French Revolution (David)	Roman Elegy (Wheeler) Spanish (De Haan) French Revolution (David)
Gothic Seminary in Politics (Fenwick)	Greek Seminary, Attic Tragedy (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 French Literature (Pardé) 3-4.30 Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30	English Journal Club (Donnelly, Chew, Savage, Crandall, Prokosch), 3-4.30. Alternate Weeks Gothic Romance Languages Journal Club (Schenck, Pardé, Riddell, De Haan, and Dorado), 3-4.30. Alternate Weeks Archæological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks Mathematics Seminary (Scott), 3-5
Latin Seminary, Roman Elegy (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6 Middle High German Seminary in Modern French Literature (Schenck) 4-6 Spanish Seminary (Dorado), 4-6 Seminary in Oriental Archaeology (Barton) Seminary in American History (W. R. Smith), 4-6 Seminary in Ethics (Theodore de Laguna), 4-6 Seminary in Education (Castro), 4-6	Middle English Seminary (———), 4.30-6 Seminary in German Literature (Prokosch), 4-6 Semitic Seminary (Barton) Historical Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Social and Industrial Research (Kingsbury) 4-6 Seminary in Social Psychology (Leuba), 4-6 Education Journal Club (Castro and Arlitt), 4.30-6 Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks Mathematics Seminary (Pell), 4-6	Latin Seminary, Roman Elegy (Wheeler) 4.30-6 Middle High German Romance Philology (———), 4.30-6 Seminary in History of England (David), 4-6 Seminary in Economics (M. P. Smith), 4-6 Seminary in Labour Organization (———), 4-6
Seminary in Zoology (Tennent), 4.30-6	Seminary in Physiology (———) 4.30-6	Seminary in Petrology (Bascom), 4.30-6
Old High German	Ethiopic (Barton)	Old High German

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
	GENERAL	Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)
	MINOR	Greek, Euripides (Sanders) French, 19th Century Literature, Div. B (Pardé) Div. A (———) Introduction to Government and Politics, Div. B (Fenwick) Ancient Architecture (Carpenter) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Greek, Homer (———) French Reading and Composition, Div. B (Pardé) Div. A (———) Introduction to Government and Politics, Div. B (Fenwick) Ancient Rome (Swindler) Mathematics, Algebra (Pell) Chemistry Laboratory (Crenshaw) Geology Laboratory (Bissell)
	MAJOR	Italian (Riddell) Psychology, Applied (Rand)	Italian (Riddell) Psychology, Applied (Rand)
	ELECTIVE	History of Europe since 1870 (Gray) Educational Psychology (Arlitt) Biology, Theoretical (Tennent)	History of the U. S. from 1865 (W. R. Smith) Education (Castro)
	GRADUATE	Seminary in Employment Management (———), 9-5 Physics (Barnes)	Seminary in Social Research, Field Work (Kingsbury), 9-5
10	GENERAL	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
	MINOR	English Poetry (Chew) English, Mid. Eng. Poetry and Chaucer (——) German Grammar (Prokosch) Spanish, Div. A (Dorado) History of Europe from 1789, Div. A (Gray) Biology Laboratory (———)	English Poetry (Chew) English, Mid. Eng. Poetry and Chaucer (——) German Literature (Prokosch) Spanish, Div. A (Dorado) History of Europe from 1789, Div. A (Gray) Biology Laboratory (———)
	MAJOR	Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)	Recent Philosophical Tendencies (T. de Laguna) Renaissance Sculpture (G. G. King)
	ELECTIVE	Private Law (Fenwick)	Modern French Literature (Schenck) Modern Geography (Bissell)
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
	GRADUATE	Petrography (Bascom)	Applied Psychology (Rand), 10-12
11	GENERAL	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
	MINOR	Italian (Riddell) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Greek Sculpture (Carpenter)	Italian (Riddell) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Archæology, Minor Arts (Carpenter)
	MAJOR	Latin Comedy (Wheeler) Spanish Reading (Dorado) History, British Imperialism (W. R. Smith) Physics (Huff) Chemistry (Brunel)	Latin Literature (H. W. Wright) Spanish Literature (Dorado) History, British Imperialism (W. R. Smith) Physics (Huff) Chemistry (Brunel)
	ELECTIVE	History of the Near East (Barton)	History of the Far East (Barton)
	POST-MAJOR		Geology (Bascom)
	GRADUATE	Seminary in Social Economy (Kingsbury, Deardorff, Additon), 11-1 Systematic Psychology (Ferree)	
12	MATRICULATION	French (Crawford)	French (Crawford)
	MINOR	Latin, Terence, Div. B (Wheeler) Div. A (Swindler) Spanish, Div. B (De Haan) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)	Latin Horace, Div. A (H. W. Wright) Div. B (Swindler) Spanish, Div. B (De Haan) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Gothic Architecture (G. G. King) Physics Laboratory (Barnes)
	MAJOR	Greek, Thucydides (Sanders) English Fiction (Savage) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Tennent)	Greek Literature (———) English Fiction (Savage) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Tennent)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

SECOND SEMESTER, 1920-21.

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)
Greek, Euripides (Sanders) French, 19th Century Literature, Div. B (Pardé) Div. A (—)	Greek, Homer (—) French, Reading and Composition, Div. B (Pardé) Div. A (—)	Greek, Herodotus (Sanders) French, 19th Century Literature, Div. B (Pardé) Div. A (—)
Introduction to Government and Politics, Div. B (Fenwick) Ancient Architecture (Carpenter) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Introduction to Government and Politics Div. (Fenwick) Ancient Rome (Swindler) Mathematics, Algebra (Pell) Chemistry, Demonstration (Crenshaw) Geology, Demonstration (Bissell)	Introduction to Government and Politics, Div. B. (Fenwick) Ancient Architecture (Carpenter) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)
Italian (Riddell)	Italian (Riddell)	Italian (Riddell)
Psychology, Applied (Rand)	Psychology Applied (Rand)	Psychology, Applied (Rand)
History of Europe since 1870 (Gray) Educational Psychology (Arlitt)	History of the U. S. from 1865 (W. R. Smith) Education (Castro)	History of Europe since 1870 (Gray) Educational Psychology (Arlitt) Physical Basis of Music (Huff)
Social Economy Journal Club (Kingsbury, Dearborn, Addison, White), 9-11 Physics (Barnes)	Industrial Supervision and Employment Management (—), 9-11 Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent and —)	Seminary in Industrial Supervision and Employment Management (—), 9-11 Physics (Barnes)
English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
English Poetry (Chew) English, Mid. Eng. Poetry and Chaucer (—) German Reading (Prokosch) Spanish, Div. A (Dorado) History of Europe from 1789, Div. A (Gray) Biology (—)	English Poetry (Chew) English, Mid. Eng. Poetry and Chaucer (—) German Literature (Prokosch) Spanish, Div. A (Dorado) History of Europe from 1789, Div. A (Gray) Biology (—)	English Poetry (Chew) English, Mid. Eng. Poetry and Chaucer (—) German Reading (Prokosch) Spanish Div. A (Dorado) History of Europe from 1789 Div. A (Gray) Biology (—)
Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)	Recent Philosophical Tendencies (T. de Laguna) Renaissance Sculpture (G. G. King)	Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)
Demography (Bascom)	Modern French Literature (Schenck) Modern Geography (Bissell)	Physics (Huff) Chemistry (Brunel)
Physiology (Huff) Chemistry (Brunel)	Physical Chemistry (Crenshaw)	Physics (Huff) Chemistry (Brunel)
Petrography (Bascom)		Petrography (Bascom)
English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
Italian (Riddell) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Greek Sculpture (Carpenter)	Italian (Riddell) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Archæology, Minor Arts (Carpenter)	Italian (Riddell) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Greek Sculpture (Carpenter)
Latin Comedy (Wheeler) Spanish Grammar (Dorado) History, British Imperialism (W. R. Smith) Physics (Huff) Chemistry (Brunel)	Latin Literature (H. W. Wright) Spanish Literature (Dorado) History, British Imperialism (W. R. Smith) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)	Latin Comedy (Wheeler) Spanish Reading (Dorado) History, British Imperialism (W. R. Smith) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)
History of the Near East (Barton) Mathematics (Scott)	History of the Far East (Barton)	History of the Near East (Barton)
Seminary in Social and Industrial Research Kingsbury) Systematic Psychology (Ferree)	Community Organization (White), 11-1 Social Treatment (Addison), 11-1	Systematic Psychology (Ferree)
French (Crawford)	French (Crawford)	French (Crawford)
Latin, Terence, Div. B (Wheeler) Div. A. (Swindler) Spanish, Div. B (De Haan) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)	Latin, Horace, Div. A (H. W. Wright) Div. A (Swindler) Spanish, Div. B (De Haan) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Gothic Architecture (G. G. King) Physics, Demonstration (Barnes)	Latin, Terence, Div. B (Wheeler) Div. A (Swindler) Spanish Div. B (De Haan) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)
Greek, Sophocles (Sanders) English Fiction (Savage) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Tennent)	Greek Literature (—) English Fiction (Savage) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Tennent)	Greek, Thucydides (Sanders) English Fiction (Savage) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Tennent)
	Chemistry Journal Club (Brunel and Crenshaw)	

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (———)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (———)
	ELECTIVE		
	POST-MAJOR	Greek, Euripides (Sanders) French, Lyric Poetry (Pardé) Economics and Politics, Economic and Social Problems (M. P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)	Greek, Bacchylides (Sanders) French, Lyric Poetry (Pardé) Economics and Politics, Economic and Social Problems (M. P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)
	GRADUATE	Cynewulf and Caedmon (———), 2.30-4.30 Italian Seminary (Riddell), 2-4	Seminary in Municipal Government (Franklin) Seminary in Metaphysics (G. de Lagune), 2-4
3	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (———)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (———)
	ELECTIVE	Elocution, Reading of Prose (S. A. King) Biblical Literature (Barton)	Elocution, Reading of Prose (S. A. King) Minor Arts (G. G. King) Advanced Experimental Psychology (Ferrie)
	POST-MAJOR	Greek, Aeschylus (———) Latin, Roman Prose of the Empire (H. W. Wright) Spanish (Dorado) History, American Constitutional (W. R. Smith) Social Betterment (Kingsbury)	Latin, Roman Prose of the Empire (H. W. Wright) Spanish (Dorado) History, American Constitutional (W. R. Smith) Social Betterment (Kingsbury) Mathematics (Pell)
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (——) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (G. G. King), 3-5	Greek Seminary, Attic Tragedy (Sanders), 3-4.30 Seminary in English Literature (Chester), 3-4.30 French Literature (Pardé), 3-4.30 Egyptian (Barton) Advanced Social Statistics (———)
4	GRADUATE	Latin Seminary, Epigraphy (H. W. Wright) Seminary in English Literature (Donnelly), 4-6 Seminary in Medieval French Literature (———), 4-6 Seminary in Aramaic and Arabic (Barton) History Journal Club (Gray, W. R. Smith, and David), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Seminary in Social Theory (Deardorff), 4-6 Psychology Seminary (Leuba), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and ——), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and H. Wright), 4.30-6. Alternate Weeks Middle English Seminary, 4.30-6 Semitic Seminary (Barton) Seminary in European History (Gray), 4 Seminary in Politics (Fenwick), 4-6 Seminary in Ethics (Theodore de Lagune), 4-6 Seminary in Educational Psychology, (Cottrell), 4-6 Mathematical Journal Club (Scott and Pell), Alternate Weeks Seminary in Physiology (———), 4.30-6
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (Dorado)	Comparative Semitic Grammar (Barton)

SECOND SEMESTER, 1920-21 (continued).

WEDNESDAY	THURSDAY	FRIDAY
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)
Greek, Prose Composition (Sanders) Latin, Composition (H. W. Wright)	Versification (Crandall) Chinese and Japanese Art (Fernald)	Chinese and Japanese Art (Fernald)
French, Masterpieces of French Literature (Pardé)	German Literature (Prokosch) Modern French Drama (Schenck)	German Literature (Prokosch) Modern French Drama (Schenck)
Economics and Politics, Economic and Social Problems (M. P. Smith)	Economics and Politics, International Law (Fenwick)	Economics and Politics, International Law (Fenwick)
Spanish Painting (G. G. King)		Mathematics (Pell)
Biology, Embryology (Tennent)		Greek Seminary, Plato (———), 2-4
Advanced Old French Philology (———), 2-4 Archaeological Seminary (Carpenter), 2-4 Intelligence Tests (Arlitt), 2-4 Zoology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks	Seminary in European History (Gray) Ancient Painting (Swindler)	
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)
Argumentation (Crandall)	The Short Story (Crandall)	
Biblical Literature (Barton)	Minor Arts (G. G. King) Record Keeping (Kingsbury)	
Elements of Statistics (———)		
Greek, Aeschylus (———)	Roman Elegy (Wheeler) Spanish (De Haan) History, French Revolution (David)	Roman Elegy (Wheeler) Spanish (De Haan) History, French Revolution (David)
Latin, Roman Prose of the Empire (H. W. Wright)		
Spanish (Dorado)		
History, French Revolution (David)		
Mathematics (Pell)		
Biology, Physiology (———)		
Gothic Seminary in Politics (Fenwick)	Greek Seminary, Attic Tragedy (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 French Literature (Pardé), 3-4.30 Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30	English Journal Club (Donnelly, Chew, Savage, Crandall and Prokosch), 3-4.30. Alternate Weeks Gothic Romance Languages Journal Club (Schenck, Pardé, Riddell, De Haan and Dorado), 3-4.30. Alternate Weeks Archaeological Journal Club (Carpenter and Swindler), 3-4.30. Alternate Weeks Seminary in Mathematics (Scott), 3-5
Latin Seminary, Roman Elegy (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6 Middle High German Seminary in Modern French Literature (Schenck) Spanish Seminary (Dorado) Seminary in American History (W. R. Smith), 4-6 Seminary in Social and Political Philosophy (T. de Laguna), 4-6 Seminary in Principles and Methods of Education (Castro), 4-6	Middle English Seminary (Patch), 4.30-6 Seminary in German Literature (Prokosch), 4-6 Semitic Seminary (Barton) Historical Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Social and Industrial Research (Kingsbury), 4-6 Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks Education Journal Club (Castro and Arlitt), 4.30-6 Mathematics Seminary (Pell)	Latin Seminary, Roman Elegy (Wheeler), 4.30-6. Middle High German Romance Philology (———), 4.30-6 Seminary in History of England (David), 4-6 Seminary in Economics (M. P. Smith), 4-6 Seminary in Petrology (Bascom), 4.30-6 Seminary in Labour Organization (———), 4-6 Seminary in Social Education (Castro), 4-6
Seminary in Zoology (Tennent), 4.30-6	Seminary in Physiology (———), 4.30-6	
Old High German	Ethiopic (Barton)	Old High German

SCHEDULE OF COLLEGIATE EXAMINATIONS

		WEDNESDAY, JANUARY 19TH.	
		MINOR.	Hour.
		History of Europe, Divs. A and B	9-12
		Spanish, Divs. A and B	9-12
		POST-MAJOR.	
		History of the French Revolution	9-11
		Spanish, Advanced	9-11
		Greek, Sophocles	2-4
		French, Lyric Poetry	2-
		Economics	2-
		History of Art, Spanish Painting	2-4
		Mathematics, Geometry	2-4
MONDAY, JANUARY 24TH.		TUESDAY, JANUARY 25TH.	
MATRICULATION.	Hour.	MINOR.	Hour.
French	9-12	Economics, Divs A and B	9-12
		Ancient Painting	2-4
MINOR.		MAJOR.	
Latin, Cicero	9-11	Latin, Literature	2-4
English, Middle English Romances	9-12		
Experimental Psychology	9-12	ELECTIVE.	
Italian Renaissance Painting	9-11	History of the Far East	2-4
Physics	9-12		
MAJOR.		POST-MAJOR.	
Greek, Demosthenes and Aristophanes	9-12.15	Stratigraphy and Paleontology	9-11
English, Drama	9-12		
French Literature	9-11		
Politics	9-12		
Mathematics, Diff. and Int. Calculus	9-11		
Geology	9-12		
Biology	9-12		
ELECTIVE.			
Elements of Statistics	2-3.15		
		WEDNESDAY, JANUARY 26TH.	
		ELECTIVE.	Hour.
		Argumentation	9-11
		Biblical Literature	9-11
		POST-MAJOR.	
		Greek, Theocritus	9-11
		Latin, Vergil	9-11
		Spanish, Lyric Poetry	9-11
		History, American Constitutional	9-11
		Mathematics, Analysis	9-11
		ELECTIVE.	
		Versification	2-4
		Chinese and Japanese Art	2-4
		POST-MAJOR.	
		French Drama	2-4
		German	2-4
		Politics, International Law	2-4

SCHEDULE OF MATRICULATION EXAMINATIONS

WEDNESDAY, JANUARY 12TH.	THURSDAY, JANUARY 13TH.	FRIDAY, JANUARY 14TH.
Hour.	Hour.	Hour.
French, two point	English Composition O. R. or	Algebra
11-1	Literature N. R.	9.30-12.0
11-1	English Grammar O. R. or Com-	Latin Poets
11-1	position N. R.	2-3.3
11-1		English History or American History
2-3.30		3.45-5.4
4-5		
5-6		
MONDAY, JANUARY 31ST.	TUESDAY, FEBRUARY 1ST.	
Hour.	Hour.	
Minor Latin, Section A	Minor Latin, Section B	
9.30-12.30	9.30-12.30	
Trigonometry	Solid Geometry	
2.30-4.30	2.30-4.30	

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations by it. on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

FIRST SEMESTER, 1920-21.

THURSDAY, JANUARY 20TH.	FRIDAY, JANUARY 21ST.	SATURDAY, JANUARY 22ND.
<p>MINOR. Hour.</p> <p>Greek, Homer..... 9-11</p> <p>French, Reading and Composition..... 9-11</p> <p>Hellenistic Towns..... 9-11</p> <p>Mathematics, Trigonometry..... 9-11</p> <p>MAJOR.</p> <p>German, Faust..... 9-11</p> <p>ELECTIVE.</p> <p>History of U. S..... 9-11</p> <p>Education..... 9-11</p> <p>POST-MAJOR.</p> <p>Biology, Physiology..... 2- 4</p>	<p>GENERAL. Hour.</p> <p>First Year, English Composition..... 9-12</p> <p>MINOR.</p> <p>Italian..... 9-12</p> <p>Philosophy, Logic, Ethics..... 9-12</p> <p>Greek Sculpture..... 9-11</p> <p>MAJOR.</p> <p>Latin, Tacitus and Composition.. 9-12.15</p> <p>Spanish..... 9-12</p> <p>History of the Renaissance..... 9-12</p> <p>Physics..... 9-12</p> <p>Chemistry..... 9-12</p> <p>ELECTIVE.</p> <p>History of the Near East..... 9-11</p> <p>Mathematics..... 9-10.15</p> <p>Short Story..... 2- 4</p> <p>History of Art. Minor Arts..... 2- 4</p> <p>Record Keeping..... 2- 3.15</p> <p>POST-MAJOR.</p> <p>Mineralogy..... 9-11</p>	<p>GENERAL. Hour.</p> <p>Second Year English, Literature..... 9-12</p> <p>MINOR.</p> <p>English, 19th Century Critics.... 9-12</p> <p>German, Grammar and Reading..... 9-11</p> <p>Biology..... 9-12</p> <p>MAJOR.</p> <p>Philosophy, Kant to Spencer.... 9-12</p> <p>17th and 18th Century Painting..... 9-11</p> <p>ELECTIVE.</p> <p>Private Law..... 9-10.15</p> <p>Cosmogony..... 10.30-11.45</p> <p>POST-MAJOR.</p> <p>Physics..... 9-11</p> <p>Chemistry, Organic..... 9-11</p> <p>Roman Elegy..... 2- 4</p>
THURSDAY, JANUARY 27TH.	FRIDAY, JANUARY 28TH.	SATURDAY, JANUARY 29TH.
<p>MATRICULATION. Hour.</p> <p>Greek..... 9-12</p> <p>German..... 9-12</p> <p>GENERAL.</p> <p>Philosophy..... 9-12</p> <p>MINOR.</p> <p>Greek, Plato and Sophocles.... 9-12.15</p> <p>French Literature..... 9-11</p> <p>Ancient Architecture..... 9-11</p> <p>Mathematics, Analytical Conics..... 9-11</p> <p>Chemistry..... 9-12</p> <p>Biology..... 9-12</p> <p>MAJOR.</p> <p>Italian, Literature..... 9-11</p> <p>German, Reading and Composition..... 11-12.15</p> <p>Physical Psychology..... 9-12</p> <p>ELECTIVE.</p> <p>History, Europe since 1870..... 9-11</p> <p>Educational Psychology..... 9-11</p> <p>Biology, Theoretical..... 11-12.15</p> <p>POST-MAJOR.</p> <p>Organic Chemistry..... 2- 4</p>	<p>MINOR. Hour.</p> <p>Latin, Horace..... 9-11</p> <p>Gothic Architecture..... 9-11</p> <p>MAJOR.</p> <p>Greek, Literature..... 9-11</p> <p>French Reading and Composition..... 9-11</p> <p>Mathematics, Theory of Equations..... 9-11</p> <p>POST-MAJOR.</p> <p>Mathematics, Theory of Numbers..... 2- 3.15</p> <p>Biology, Embryology..... 2- 4</p> <p>Greek, Herodotus..... 2- 3.15</p> <p>Latin, Composition..... 2- 3.15</p> <p>French, Masterpieces..... 2- 3.15</p>	<p>MINOR. Hour.</p> <p>German, Literature..... 9-11</p> <p>ELECTIVE.</p> <p>Modern French Literature..... 9-11</p> <p>Modern Geography..... 9-11</p> <p>POST-MAJOR.</p> <p>Chemistry, Physical..... 9-11</p>

JANUARY-FEBRUARY, 1920.

SATURDAY, JANUARY 15TH.	MONDAY, JANUARY 17TH.	TUESDAY, JANUARY 18TH.
<p>Hour.</p> <p>French Grammar and Composition..... 9.30-10.30</p> <p>French Translation..... 10.45-12.45</p> <p>Ancient History..... 2.00- 4.00</p>	<p>Hour.</p> <p>Geometry..... 9.30-12</p> <p>Latin Composition..... 2.00- 3.30</p> <p>Physics O. and N. R..... 3.45- 5.45</p>	<p>Hour.</p> <p>German Grammar, Composition..... 9.30-10.30</p> <p>German Translation..... 10.45-12.45</p> <p>Latin Prose Authors..... 2.00- 4.00</p> <p>Greek Poets..... 4.15- 5.15</p>

SCHEDULE OF COLLEGIATE EXAMINATIONS

MONDAY, MAY 23RD.		TUESDAY, MAY 24TH.		WEDNESDAY, MAY 25TH.	
<p>GENERAL.</p> <p>Second Year English, Composition..... 9-12</p> <p>MINOR.</p> <p>English, Romantic Poets..... 9-12</p> <p>English, Mid. Eng. Poetry..... 9-12</p> <p>German, Grammar and Reading..... 9-11</p> <p>Biology..... 9-12</p> <p>MAJOR.</p> <p>Philosophy, Recent Philosophical Tendencies..... 9-12</p> <p>17th and 18th Century Painting..... 9-11</p> <p>ELECTIVE.</p> <p>Private Law..... 9-10.15</p> <p>Cosmogony..... 11-12.15</p> <p>POST-MAJOR.</p> <p>Latin Roman Elegy..... 2- 4</p> <p>Physics..... 9-11</p> <p>Chemistry, Organic..... 9-11</p>		<p>MATRICULATION</p> <p>French..... 9-10.30</p> <p>MINOR.</p> <p>Latin, Terence..... 9-11</p> <p>Psychology..... 9-12</p> <p>Italian, Renaissance Painting..... 9-11</p> <p>Physics..... 9-12</p> <p>MAJOR.</p> <p>Greek, Thucydides and Sophocles..... 9-12.15</p> <p>English Fiction..... 9-12</p> <p>French, Literature..... 9-11</p> <p>History of Economic Thought..... 9-12</p> <p>Mathematics, Curve Tracing..... 9-12</p> <p>Geology..... 9-12</p> <p>Biology..... 9-12</p> <p>ELECTIVE.</p> <p>Elements of Statistics..... 2- 3.15</p>		<p>MINOR.</p> <p>Spanish, Div. A and Div. B..... 9-12</p> <p>History of Europe, Div. A and Div. B..... 9-12</p> <p>German Literature..... 2- 4</p> <p>MAJOR.</p> <p>Renaissance Sculpture..... 2- 4</p> <p>ELECTIVE.</p> <p>Modern French Literature..... 2- 4</p> <p>Modern Geography..... 2- 4</p> <p>POST-MAJOR.</p> <p>Greek, Prose Composition..... 2- 3</p> <p>Latin, Prose Composition..... 2- 3</p> <p>French Masterpieces..... 2- 3</p> <p>Chemistry, Physical..... 9-11</p>	

SCHEDULE OF MATRICULATION EXAMINATIONS.

		<p>WEDNESDAY, MAY 25TH.</p> <p>Hour.</p> <p>Minor Latin, Section A..... 9.30-12.30</p> <p>Trigonometry..... 9.30-11.30</p> <p>Minor Latin, Section B..... 2.30-5.30</p> <p>Solid Geometry..... 2.30-4.30</p>
<p>MONDAY, MAY 30TH.</p> <p>Hour.</p> <p>French Grammar, Composition.. 9.30-10.30</p> <p>French Translation..... 10.45-12.45</p> <p>Ancient History..... 2.00-4.00</p>	<p>TUESDAY, MAY 31ST.</p> <p>Hour.</p> <p>Geometry..... 9.30-12.00</p> <p>Latin, Composition..... 2.00-3.30</p> <p>Physics, O. and N. R..... 3.45-5.45</p>	<p>WEDNESDAY, JUNE 1ST.</p> <p>Hour.</p> <p>German, Grammar, Composition 9.30-10.30</p> <p>German Translation..... 10.45-12.45</p> <p>Latin, Prose Authors..... 2.00-4.00</p> <p>Greek Poets..... 4.15-5.15</p>

SECOND SEMESTER, 1920-21.

THURSDAY, MAY 19TH.		FRIDAY, MAY 20TH.		SATURDAY, MAY 21ST.	
ELECTIVE.	Hour.	MATRICULATION.	Hour.	GENERAL.	Hour.
	9-11		9-10.30		9-12
	9-11		9-10.30		9-12
Biblical Literature.....		German.....		MINOR	
Post-MAJOR.		MINOR.		Italian.....	
Greek, Aeschylus.....		Greek, Homer.....		Philosophy, History of.....	
Latin, Prose of the Empire.....		French, Reading and Composition.....		Greek Sculpture.....	
Spanish, Lyric Poetry.....		Ancient Rome.....		MAJOR.	
History, American Constitutional.....		Mathematics, Theory of Equations, Algebra.....		Latin, Comedy and Composition.....	
Mathematics, Analysis.....		MAJOR.		Spanish.....	
ELECTIVE.		German Faust.....		History of British Imperialism.....	
Versification.....		ELECTIVE.		Physics.....	
Chinese and Japanese Art.....		History of the U. S.....		Chemistry.....	
Post-MAJOR.		Education.....		ELECTIVE.	
French Drama.....		Post MAJOR		History of the Near East.....	
German Literature.....		Biology, Physiology.....		Mathematics.....	
International Law.....				The Short Story.....	
				History of Art, Minor Arts.....	
				Record Keeping.....	
				Post-MAJOR.	
				Mineralogy.....	
THURSDAY, MAY 26TH.		FRIDAY, MAY 27TH.		SATURDAY, JUNE 28TH.	
MINOR.	Hour	MATRICULATION.	Hour.	MATRICULATION.	Hour.
	9-12		9-10.30		9-10.30
	2- 4		9-10.30		9-11
Politics, Divs. A and B.....		German.....		MINOR.	
Greek and Roman Minor Arts...		GENERAL.		Latin, Horace.....	
MAJOR.		Psychology.....		Gothic Architecture.....	
Latin, Literature.....		MINOR.		MAJOR.	
ELECTIVE.		Greek, Herodotus and Euripides.....		Greek, Literature.....	
History of the Far East.....		French, Literature.....		French, Reading and Composition.....	
Post-MAJOR.		Ancient Architecture.....		Mathematics, Anal. Geometry...	
Stratigraphy and Paleontology..		Mathematics, Differential and Integral Calculus.....		Post-MAJOR.	
		Chemistry.....		Mathematics, Theory of Numbers	
		Geology.....		Biology, Embryology.....	
		MAJOR.			
		Italian.....			
		German, Literature.....			
		German, Reading and Composition.....			
		Applied Psychology.....			
		ELECTIVE.			
		History, Europe since 1870.....			
		Educational Psychology.....			
		Biology, Theoretical.....			
		Post-MAJOR.			
		Inorganic Chemistry.....			

SPRING, 1921.

THURSDAY, MAY 26TH.		FRIDAY, MAY 27TH.		SATURDAY, MAY 28TH.	
French, two point.....	Hour	English Literature, N. R.....	Hour.	Algebra.....	Hour
	11- 1.00		9.30-12.30		9.30-12.00
	11- 1.00		2.00- 4.00		2.00- 3.30
Italian, two point.....		English Composition, N. R.....		Latin Poets.....	
Spanish, two point.....				English History or American History.....	
German, two point.....					
Science, N. R.....					
Greek Prose Authors.....					
Greek Grammar.....					

MATRICULATION EXAMINATIONS.

SPRING, 1920.

WEDNESDAY, MAY 26.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	9.30-11.30
<i>Minor Latin, B</i>	2.30- 5.30
<i>Solid Geometry</i>	2.30- 4.30

THURSDAY, MAY 27.

Two point optional lan- guage exam- inations, New Requirements. (For Greek see below.)	<i>French Grammar and Composition and Translation</i>	11.00- 1.00
	or	
	<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00
	or	
	<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00
	or	
	<i>German Grammar and Composition and Translation</i>	11.00- 1.00
	<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	2.00- 3.30
	<i>Greek Prose Authors</i>	4.00- 5.00
	<i>Greek Grammar</i>	5.00- 6.00

FRIDAY, MAY 28.

<i>English Composition (Old) or Literature (New Requirements)</i> ...	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ...	2.00- 4.00

SATURDAY, MAY 29.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History or American History</i>	3.45- 5.45

MONDAY, MAY 31.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>Ancient History</i>	2.00- 4.00

TUESDAY, JUNE 1.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

WEDNESDAY, JUNE 2.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

AUTUMN, 1920.

MONDAY, SEPTEMBER 20.

<i>French Grammar and Composition and Translation</i>	11.00- 1.00
<i>or</i>	
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00
<i>or</i>	
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00
<i>or</i>	
<i>German Grammar and Composition and Translation</i>	11.00- 1.00
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or</i> <i>Physical Geography (New Requirements)</i>	2.00- 3.30
<i>Greek Prose Authors</i>	4.00- 5.00
<i>Greek Grammar</i>	5.00- 6.00

Two point
optional lan-
guage exam-
inations, New
Requirements.
(For Greek
see below.)

TUESDAY, SEPTEMBER 21.

<i>English Composition (Old) or Literature (New Requirements)</i> . . .	9.30-12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> . . .	2.00- 4.00

WEDNESDAY, SEPTEMBER 22.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History or American History</i>	3.45- 5.45

THURSDAY, SEPTEMBER 23.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>Ancient History</i>	2.00- 4.00

FRIDAY, SEPTEMBER 24.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

SATURDAY, SEPTEMBER 25.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

WEDNESDAY, SEPTEMBER 29.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

THURSDAY, SEPTEMBER 30.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1921.

WEDNESDAY, JANUARY 12.

Two points
optional lan-
guage exam-
inations, New
Requirements.
(For Greek
see below.)

<i>French Grammar and Composition and Translation</i>	11.00-	1.00
or		
<i>Italian Grammar and Composition and Translation</i>	11.00-	1.00
or		
<i>Spanish Grammar and Composition and Translation</i>	11.00-	1.00
or		
<i>German Grammar and Composition and Translation</i>	11.00-	1.00
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	2.00-	3.30
<i>Greek Prose Authors</i>	4.00-	5.00
<i>Greek Grammar</i>	5.00-	6.00

THURSDAY, JANUARY 13.

<i>English Composition (Old) or Literature (New Requirements)</i> ...	9.30-	12.30
<i>English Grammar (Old) or Composition (New Requirements)</i> ...	2.00-	4.00

FRIDAY, JANUARY 14.

<i>Algebra</i>	9.30-	12.00
<i>Latin Poets</i>	2.00-	3.30
<i>English History or American History</i>	3.45-	5.45

SATURDAY, JANUARY 15.

<i>French Grammar and Composition</i>	9.30-	10.30
<i>French Translation</i>	10.45-	12.45
<i>Ancient History</i>	2.00-	4.00

MONDAY, JANUARY 17.

<i>Geometry</i>	9.30-	12.00
<i>Latin Composition</i>	2.00-	3.30
<i>Physics (Old and New Requirements)</i>	3.45-	5.45

TUESDAY, JANUARY 18.

<i>German Grammar and Composition</i>	9.30-	10.30
<i>German Translation</i>	10.45-	12.45
<i>Latin Prose Authors</i>	2.00-	4.00
<i>Greek Poets</i>	4.15-	5.15

MONDAY, JANUARY 31.

<i>Minor Latin, A</i>	9.30-	12.30
<i>Trigonometry</i>	2.30-	4.30

TUESDAY, FEBRUARY 1.

<i>Minor Latin, B</i>	9.30-	12.30
<i>Solid Geometry</i>	2.30-	4.30

SPRING, 1921.

WEDNESDAY, MAY 25.

<i>Minor Latin, A.</i>	9.30-12.30	<i>Minor Latin, B.</i>	2.30- 5.30
<i>Trigonometry.</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

THURSDAY, MAY 26.

<i>French Grammar and Composition and Translation.</i>	11.00- 1.00	} <i>Two point optional language examinations, New Requirements, (For Greek see below.)</i>
or		
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>German Grammar and Composition and Translation.</i>	11.00- 1.00	
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	2.00- 3.30	
<i>Greek Prose Authors.</i>	4.00- 5.00	
<i>Greek Grammar.</i>	5.00- 6.00	

FRIDAY, MAY 27.

<i>English Literature (New Requirements)</i>	9.30-12.30
<i>English Composition (New Requirements)</i>	2.00- 4.00

SATURDAY, MAY 28.

<i>Algebra.</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History or American History</i>	3.45- 5.45

MONDAY, MAY 30.

<i>French Grammar and Composition.</i>	9.30-10.30
<i>French Translation.</i>	10.45-12.45
<i>Ancient History.</i>	2.00- 4.00

TUESDAY, MAY 31.

<i>Geometry.</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

WEDNESDAY, JUNE 1.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors.</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

AUTUMN, 1921.

MONDAY, SEPTEMBER 26.

Two point
optional lan-
guage exami-
nations, New
Requirements.
(For Greek
see below.)

<i>French Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>German Grammar and Composition and Translation</i>	11.00- 1.00
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or</i> <i>Physical Geography (New Requirements)</i>	2.00- 3.30
<i>Greek Prose Authors</i>	4.00- 5.00
<i>Greek Grammar</i>	5.00- 6.00

TUESDAY, SEPTEMBER 27.

<i>English Literature (New Requirements)</i>	9.30-12.30
<i>English Composition (New Requirements)</i>	2.00- 4.00

WEDNESDAY, SEPTEMBER 28.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History or American History</i>	3.45- 5.45

THURSDAY, SEPTEMBER 29.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>Ancient History</i>	2.00- 4.00

FRIDAY, SEPTEMBER 30.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

SATURDAY, OCTOBER 1.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

WEDNESDAY, OCTOBER 5.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

THURSDAY, OCTOBER 6.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1922.

WEDNESDAY, JANUARY 18.

<i>French Grammar and Composition and Translation</i>	11.00- 1.00	} <i>Two point optional lan- guage exam- inations, New Requirements. (For Greek see below.)</i>
or		
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>German Grammar and Composition and Translation</i>	11.00- 1.00	
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	2.00- 3.30	
<i>Greek Prose Authors</i>	4.00- 5.00	
<i>Greek Grammar</i>	5.00- 6.00	

THURSDAY, JANUARY 19.

<i>English Literature (New Requirements)</i>	9.30-12.30
<i>English Composition (New Requirements)</i>	2.00- 4.00

FRIDAY, JANUARY 20.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>English History or American History</i>	3.45- 5.45

SATURDAY, JANUARY 21.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>Ancient History</i>	2.00- 4.00

MONDAY, JANUARY 23.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

TUESDAY, JANUARY 24.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

MONDAY, FEBRUARY 6.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

TUESDAY, FEBRUARY 7.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

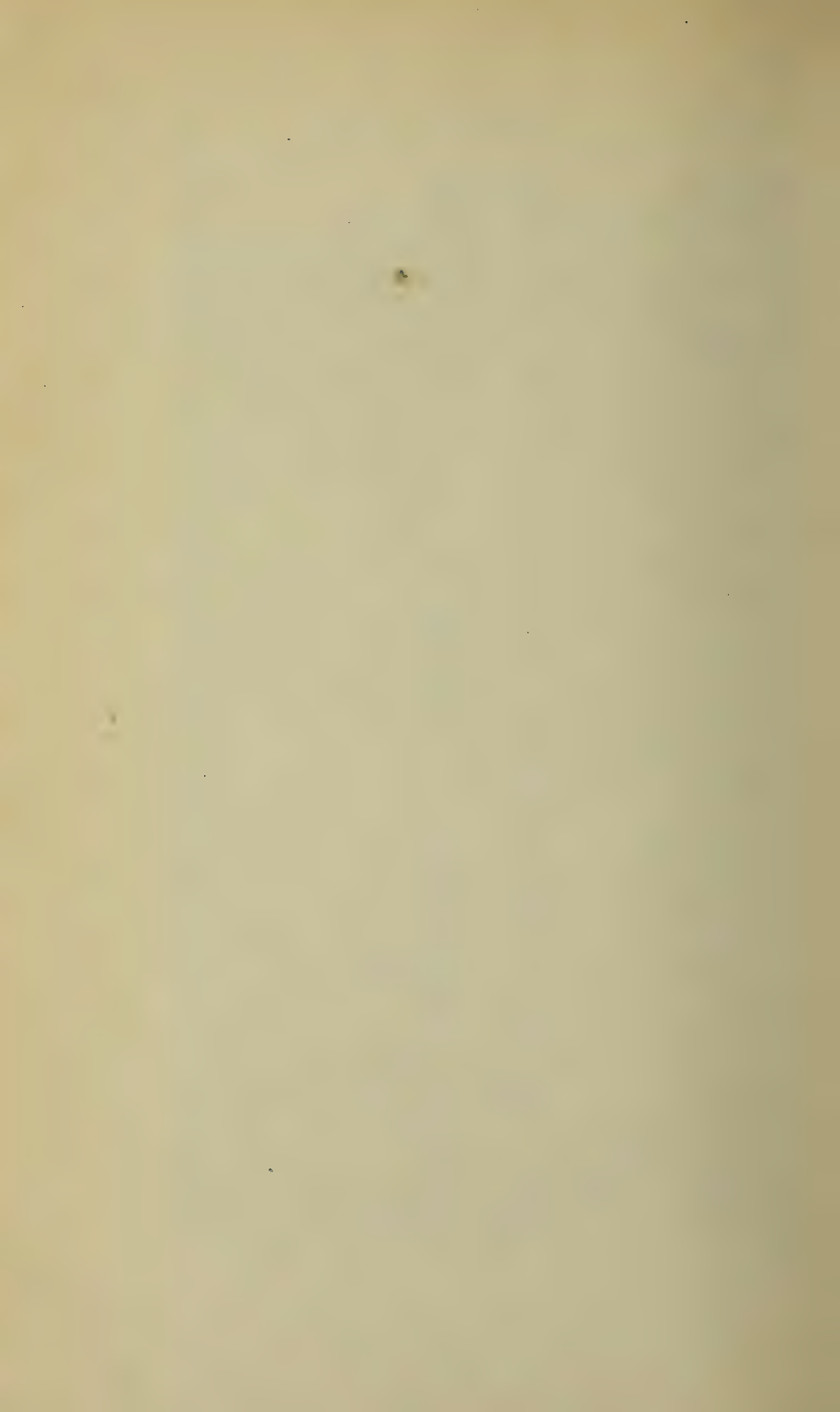
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BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE COURSES

1921



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May, 1921

Volume XIV. Part 3.

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1921

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BRYN MAWR COLLEGE CALENDAR

1921

- PART 1. Announcement of Carola Woerishoffer Department.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence, Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1921.														1922.														1923.																
JANUARY							JULY							JANUARY							JULY							JANUARY																
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S										
2	3	4	5	6	7	1	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31														
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23	24	25	26	27	28	29	24	25	26	27	28	29	30																															
30	31						31																																					
FEBRUARY							AUGUST							FEBRUARY							AUGUST							FEBRUARY																
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26	27	28	29	30			25	26	27	28	29	30	31	24	25	26	27	28	29	30																								
														31																														

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 8, 1922.

ACADEMIC YEAR, 1921-22.

September 26th.	Matriculation examinations begin.
October 3rd.	Registration of students. Halls of Residence open for students at three p. m.
October 4th.	Registration of students. Matriculation examinations end.
October 5th.	The work of the thirty-seventh academic year begins at a quarter to nine o'clock.
October 6th.	Examinations for advanced standing begin.
October 8th.	Language examinations for all undergraduates.
October 15th.	Senior examination in French. Language examinations for Juniors. M.A. Language examinations.
October 22nd.	Senior examination in German.
October 27th.	Examinations for advanced standing end.
November 14th.	Collegiate and matriculation condition examinations begin.
November 19th.	M.A. Language examinations.
November 22nd.	Collegiate and matriculation condition examinations end.
November 23rd.	Thanksgiving vacation begins at one o'clock.
November 28th.	Thanksgiving vacation ends at nine o'clock.
December 10th.	Senior examination in French. Ph.D. Language examinations.
December 17th.	Senior examination in German.
December 21st.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock.
January 18th.	Matriculation examinations begin.
January 24th.	Matriculation examinations end. Ph.D. Language examinations.
January 25th.	Half-yearly collegiate examinations begin.
February 4th.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 6th.	Vacation.
February 7th.	Vacation.
February 8th.	The work of the second semester begins at a quarter to nine o'clock.
February 9th.	Examinations for advanced standing begin.
March 2nd.	Examinations for advanced standing end.
March 11th.	Senior examination in French.
March 17th.	Announcement of European Fellowships.
March 18th.	Senior examination in German.
March 20th.	Collegiate and matriculation condition examinations begin.
March 22nd.	Mid-semester examination in matriculation Greek.
March 28th.	Collegiate and matriculation condition examinations end.

March 29th.	Spring vacation begins at one o'clock.
April 5th.	Spring vacation ends at nine o'clock.
April 8th.	Ph.D. Language examinations.
April 14th.	Good Friday. Vacation.
May 13th.	Senior examinations in French and German.
May 23rd.	Vacation.
May 24th.	Collegiate examinations begin.
May 30th.	Matriculation examinations begin.
June 3rd.	Collegiate examinations end.
June 6th.	Matriculation examinations end.
June 8th.	Conferring of degrees and close of thirty-seventh academic year.

ACADEMIC YEAR, 1922-23.

September 25th.	Matriculation examinations begin.
October 2nd.	Registration of students. Halls of Residence open for students at three p. m.
October 3rd.	Registration of students. Matriculation examinations end.
October 4th.	The work of the thirty-eighth academic year begins at a quarter to nine o'clock.
October 5th.	Examinations for advanced standing begin.
October 7th.	Language examinations for all undergraduates.
October 14th.	Senior examination in French. Language examinations for Juniors. M.A. Language examinations.
October 21st.	Senior examination in German.
October 26th.	Examinations for advanced standing end.
November 20th.	Collegiate and matriculation condition examinations begin.
November 25th.	M.A. Language examinations.
November 28th.	Collegiate and matriculation condition examinations end.
November 29th.	Thanksgiving vacation begins at one o'clock.
December 4th.	Thanksgiving vacation ends at nine o'clock.
December 9th.	Senior examination in French. Ph.D. Language examinations.
December 16th.	Senior examination in German.
December 21st.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 17th.	Matriculation examinations begin.
January 23rd.	Ph.D. Language examinations. Matriculation examinations end.
January 24th.	Half-yearly collegiate examinations begin.
February 3rd.	Collegiate examinations end. Annual meeting of the Alumnae Association.

February 5th.	Vacation.
February 6th.	Vacation.
February 7th.	The work of the second semester begins at a quarter to nine o'clock.
February 8th.	Examinations for advanced standing begin.
March 1st.	Examinations for advanced standing end.
March 10th.	Senior examination in French.
March 16th.	Announcement of European Fellowships.
March 17th.	Senior examination in German.
March 19th.	Collegiate and matriculation condition examinations begin.
March 21st.	Mid-semester examination in matriculation Greek.
March 27th.	Collegiate and matriculation condition examinations end.
March 28th.	Easter vacation begins at one o'clock.
April 5th.	Easter vacation ends at nine o'clock.
April 7th.	Ph.D. Language examinations.
May 12th.	Senior examinations in French and German.
May 22nd.	Vacation.
May 23rd.	Collegiate examinations begin.
May 29th.	Matriculation examinations begin.
June 2nd.	Collegiate examinations end.
June 5th.	Matriculation examinations end.
June 7th.	Conferring of degrees and close of thirty-eighth academic year.

ACADEMIC YEAR, 1923-24.

September 24th.	Matriculation examinations begin.
October 1st.	Registration of students. Halls of Residence open for students at three p. m.
October 2nd.	Registration of students. Matriculation examinations end.
October 3rd.	The work of the thirty-ninth academic year begins at a quarter to nine o'clock.

SCHEDULE OF EXAMINATION FOR MATRICULATION.

For Schedules from Spring, 1921, to Winter, 1923, see end of volume.

SCHEDULE OF LECTURES.

See pages 224-231.

SCHEDULE OF COLLEGIATE EXAMINATIONS

See pages 232-235.

CORPORATION.

RUFUS M. JONES,
President.

ASA S. WING,
Treasurer.

ANNA RHOADS LADD,
Secretary.

RUFUS M. JONES.

ABRAM F. HUSTON.

M. CAREY THOMAS.

ANNA RHOADS LADD.

ASA S. WING.

ARTHUR H. THOMAS.

CHARLES J. RHOADS.

WILLIAM C. DENNIS.

THOMAS RAEburn WHITE.

ARTHUR PERRY.

FREDERIC H. STRAWBRIDGE.

ARTHUR FREEBORN CHACE.

RICHARD M. GUMMERE.

BOARD OF DIRECTORS.

RUFUS M. JONES,
Chairman.

ASA S. WING,
Treasurer.

ANNA RHOADS LADD,
Secretary.

RUFUS M. JONES.

WILLIAM C. DENNIS.

M. CAREY THOMAS.

MARION REILLY.

ASA S. WING.

ARTHUR PERRY.

CHARLES J. RHOADS.

ARTHUR FREEBORN CHACE.

THOMAS RAEburn WHITE.

FRANCES FINCKE HAND.

FREDERIC H. STRAWBRIDGE.

RICHARD M. GUMMERE.

ELIZABETH BUTLER KIRKBRIDE.

CAROLINE MCCORMICK SLADE.

ANNA RHOADS LADD.

HELEN TAFT MANNING.

ABRAM F. HUSTON.

EDNA FISCHER GELLHORN.

ARTHUR H. THOMAS.

MARGARET AYER BARNES.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1920-21.

President,

M. CAREY THOMAS, PH.D., LL.D., L.H.D.

Office: Taylor Hall.

Dean of the College,

HELEN TAFT MANNING,* M.A.

Acting Dean of the College,

HILDA WORTHINGTON SMITH, M.A.

Office: Taylor Hall.

Recording Dean and Assistant to the President,

ISABEL MADDISON, B.Sc., PH.D.

Office: Taylor Hall.

Secretary and Registrar of the College,

EDITH ORLADY, A.B. Office: Taylor Hall.

Assistant to the Secretary and Registrar of the College,

MARIAN CLEMENTINE KLEPS, A.B. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

LESLIE RICHARDSON, A.B., Radnor Hall.

HANNAH THAYER CARPENTER, A.B., Denbigh Hall.

ELEANOR LOUISA LORD, PH.D., Rockefeller Hall.

MARGARET WENTWORTH BROWNE, Merion Hall.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Business Manager,

EDITH ADAIR, A.B. Office: Taylor Hall.

Assistant Business Manager,

CHARLOTTE HANNAH WESTLING, A.B. Office: Taylor Hall.

Junior Bursar,

HARRIET JEAN CRAWFORD, A.B. Office: Cartref.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Physical Training and Supervisor of Health,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Physician-in-Chief,

THOMAS F. BRANSON, M.D. Rosemont, Pa.

*Assistant Resident Physician,*JANE SANDS, M.D., 1905 Infirmary, Bryn Mawr; Office: The Infirmary,
Bryn Mawr College.*Examining Oculist,*

HELEN MURPHY, M.D. 1408 Spruce Street, Philadelphia.

* Resigned November 19, 1920.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1920-21.

M. CAREY THOMAS, PH.D., LL.D., L.H.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zurich, 1882. Student in the Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT MANNING,* *Dean of the College.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916. Graduate Student, Yale University, 1915-17. Acting President, Bryn Mawr College, 1919-20.

HILDA WORTHINGTON SMITH, A.M., *Acting Dean and Dean (elect) of the College.*

A.B., Bryn Mawr College, 1910, and A.M., 1911. Graduate Student, Bryn Mawr College, 1910-11; New York School of Philanthropy, 1912-13, 1914-15; Columbia University, 1914-15; Warden of Rockefeller Hall, 1913-14; Volunteer Social Worker, 1915-16; Director of Bryn Mawr Community Centre, 1916-19.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

WILMER CAVE WRIGHT,† *Ph.D., Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA,‡ *Ph.D., Professor of Psychology.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-94; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

* Resigned November, 19, 1920.

† Granted leave of absence for the year 1920-21.

‡ Granted leave of absence for the year 1921-22.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER,* PH.D., *Alumnae Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Alumnae Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Mary Elizabeth Garrett Memorial Alumnae Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

DAVID HILT TENNENT, PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

CARLETON FAIRCHILD BROWN, PH.D., *Professor (elect) of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05; Associate in English Philology, Bryn Mawr College, 1905-07; Associate Professor, 1907-10, and Professor, 1910-17; Professor of English, University of Minnesota, 1917-21; Exchange Professor, University of Oxford, 1919-20.

JAMES BARNES, PH.D., *Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA,* PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH, PH.D., *Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, PH.D., *Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

GRACE MEAD ANDRUS DE LAGUNA,* PH.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow in Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

* Granted leave of absence for the year 1921-22.

REGINA KATHARINE CRANDALL, Ph.D., *Margaret Kingsland Haskell Professor of English Composition.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

ROGER FREDERIC BRUNEL, Ph.D., *Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO,* Ph.D., *Phebe Anna Thorne Professor of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, Ph.D., *Associate in Experimental and Applied Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, Ph.D., *Associate Professor of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Dean of the College, Bryn Mawr College, 1916-17.

SAMUEL CLAGGETT CHEW,* Ph.D., *Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

SUSAN MYRA KINGSBURY,* Ph.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

GEORGIANA GODDARD KING, A.M., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER, Ph.D., *Professor of Classical Archaeology.*

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13; Absent for Military Service, 1917-19.

CHARLES GHEQUIERE FENWICK, Ph.D., *Professor of Political Science.*

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

* Granted leave of absence for the year 1921-22.

HOWARD LEVI GRAY, PH.D., *Professor of History.*

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15. Absent on War Service, 1918-19.

JAMES LLEWELLYN CRENSHAW, PH.D., *Associate Professor of Physical Chemistry.*

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15. Absent for Military Service, 1917-19.

HOWARD JAMES SAVAGE, PH.D., *Associate Professor of Rhetoric and Director of the Work in English Composition.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915. Absent for Military Service, 1917-19.

ETHEL ERNESTINE SABIN, PH.D., *Associate in Philosophy.*

A.B., University of Wisconsin, 1908, and A.M., 1914; Ph.D., University of Illinois, 1916. Graduate Scholar, University of Wisconsin, 1913-14; Fellow, University of Illinois, 1914-16; Assistant in English, University of Illinois, 1916-17.

ADA HART ARLITT, PH.D., *Associate in Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

ANNA JOHNSON PELL, PH.D., *Associate Professor of Mathematics.*

A.B., University of South Dakota, 1903; M.S., University of Iowa, 1904; A.M., Radcliffe College, 1905; Ph.D., University of Chicago, 1910; Holder of Alice Freeman Palmer Fellowship of Wellesley College and Student in Mathematics, University of Göttingen, 1906-07; Instructor in Mathematics, Mount Holyoke College, 1911-14, and Associate Professor of Mathematics, 1914-18.

CHARLES WENDELL DAVID, PH.D., *Associate Professor of History.*

B.A., Oxford University, 1911; A.M., University of Wisconsin, 1912; Ph.D., Harvard University, 1918; Rhodes Scholar, University of Oxford, 1908-11. Instructor in History, University of Washington, 1915-18.

AGNES RUTHERFORD RIDDELL, PH.D., *Associate in Italian.*

A.B., University of Toronto, 1896, with first class honours in Modern Languages; and A.M., 1897. Honours, Ontario Normal College, 1898. Ph.D., University of Chicago, 1916. Teacher of French and German, Oshawa High School, 1898-1901; Assistant Reader, Department of English, University of Toronto, 1902-11; Teacher of English, Branksome Hall, Toronto, 1904-05; Teacher of German, Latin and English, Westbourne School, Toronto, 1906-10, 1913-14; Graduate Student in Romance Languages, University of Chicago, January, 1912, to August, 1913; Fellow in Romance Languages, University of Chicago, 1914-15; Acting Head of Kelly Hall, University of Chicago, summers of 1913, 1914 and 1915; Professor of Romance Languages, and Dean of Women, College of Emporia, 1915-17.

MARCELLE PARDÉ, *Agrégée des Lettres, Associate in French.*

Beauvais, Oise, France. Ecole Normale Supérieure de Sévres, 1911-14. Teacher in the Lycée, Chaumont, Haute Marne, 1915-19; Student, the Sorbonne, 1911-16; Agrégée des lettres, University of Paris, 1917.

HORACE WETHERILL WRIGHT, PH.D., *Associate in Latin.*

A.B., University of Wisconsin, 1908; Ph.D., University of Pennsylvania, 1917. Wisconsin University, 1910-11; University of Pennsylvania, 1911-13; American School of Classical Studies in Rome, 1914-15; Instructor in Latin, University of Missouri, 1917-18; Instructor in Latin, Oberlin College, 1918-19.

EDUARD PROKOSCH, PH.D., Associate Professor of German.

Eger, Bohemia. University of Prague, 1894-95; University of Vienna, 1895-97; University of Chicago, 1899-1904; *Staats Examen*, 1897; A.M., University of Chicago, 1901; University of Leipzig, 1904-05; Ph.D., University of Leipzig, 1905. Instructor in German, Francis W. Parker School and School of Education, University of Chicago, 1901-02; Instructor in German Department, University of Chicago, 1902-04; University of Wisconsin, 1905-09; Assistant Professor of German and Comparative Philology, University of Wisconsin, 1909-13; Professor of Germanic Philology, University of Texas, 1913-19.

ANNA BAKER YATES, PH.D., Associate in Physiology and Biochemistry.

A.B., Mount Holyoke College, 1913; M.A., Columbia University, 1915; Ph.D., Columbia University, 1920. Assistant in Chemistry, Barnard College, 1913-15; Instructor in Physiology, Mount Holyoke College, 1915-17; Scientific Assistant, U. S. Public Health Service, August to December, 1917; Teaching Fellow, in Physiology, University of Minnesota, 1917-18; Member of Instructing Staff, Training Course for Health Officers, Mount Holyoke College, 1919; Special Investigator, Industrial Service Section, Chicago District Ordnance Department, 1918-19; Instructor in Physiology, Wellesley College, 1919-20.

CLAUDE GILLI, B.A., Associate Professor of French.

Nice, France. B.A., London University, First Class Honours, 1909; Rothschild Prizeman in Romance Philology, University College; Lecturer in Romance Philology, East London College, 1910-13; and in Westfield College, 1912-14; Lecturer, University of Montpellier, 1917-20.

FRANZ SCHRADER, * PH.D., Associate in Biology.

B.S., Columbia University, 1914, and Ph.D., 1919. Scientist for the Bureau of Fisheries, Department of Commerce, Washington, D. C., 1915-16 and summer of 1917; and Pathologist, 1919 to January 31, 1921. Assistant in Zoology, Columbia University, 1918-19.

MARY HAMILTON SWINDLER, PH.D., Associate in Latin and Classical Archaeology.

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, in Miss Wright's School, Bryn Mawr, 1911-12, and in the Phebe Anna Thorne Model School, 1914-17.

EVA WHITING WHITE, B.S., Non-resident Lecturer in Social Economy (Community Organization).

B.S., Simmons College, 1907. Head Resident, Elizabeth Peabody House, Boston, Mass., 1909—; Massachusetts Board of Education, in charge of Vocational Education for Women and Girls, 1910-14; Staff Lecturer, Boston School for Social Work, 1912-14; Massachusetts Homestead Commission, 1916—; Massachusetts Immigration Commission, 1916; Survey of Public Schools, Gary, Ind., 1916; Vice-Chairman, Federal Commission on Living Conditions, 1917-19; Director of Training, Intercollegiate Community Service Association, 1919—.

NEVA DEARDORFF, PH.D., Non-resident Lecturer and Associate Professor (elect) in Social Economy (Social Relief).

A.B., University of Michigan, 1908; Ph.D., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1908-11. Staff, Assistant Director, Bureau of Municipal Research, Philadelphia, 1912-18; Chief, Department of Vital Statistics, City of Philadelphia, 1914-16; Assistant to Director-General of Civilian Relief, American Red Cross, 1918—.

HENRIETTA ADDITON, M.A., Non-resident Lecturer in Social Economy (Social Guardianship).

A.B., Piedmont College, 1907; M.A., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1910-11, 1912-13. Instructor, History and Civics, Piedmont College, 1908-10; Agent, Philadelphia Society for Organizing Charity, 1913-14; Probation Officer and Case Supervisor, Philadelphia Municipal Court, 1914-16; In Charge, Probation Department, Juvenile Court, 1917; Assistant Director and Director, Section on Women and Girls, Law Enforcement Division, Commission on Training Camp Activities, War Department, 1918-19; Executive Assistant and Director, Field Service, Women and Girls, United States Interdepartmental Social Hygiene Board, 1919—.

* Appointment to take effect from February 2, 1921.

SUSAN HELEN BALLOU, Ph.D., *Associate Professor (elect) of Latin.*

Ph B., University of Chicago, 1897; Ph D., University of Giessen, 1912. Graduate Scholar in Latin, University of Chicago, 1897-98, Assistant in Latin, 1898-1900, and Associate in Latin, 1901-07. Travelling Fellow of the Association of Collegiate Alumnae at the American School of Classical Studies, Rome, 1901-02; Student of Paleography in Rome, 1903-04, and Carnegie Research Fellow in Latin Literature, American School of Classical Studies, Rome, 1905-06. Instructor in Latin, University of Chicago, 1907-15; Instructor in History, University of Wisconsin, 1917-20.

JOAQUÍN ORTEGA, * M.A., *Lecturer in Spanish.*

Madrid, Spain. M.A., University of Wisconsin, 1917. Graduate Fellow of the Spanish Government in the United States for the Study of "International Commercial Policies," 1915-17; Certificate conferring honorary standing of Assistant Professor in Spanish Institutions, Madrid, 1916; Graduate Student, University of Wisconsin, 1916-20; Assistant in Romance Languages, 1916-17; Instructor, 1917-18; and Assistant Professor, 1918-20; Instructor and Lecturer in Spanish, University of Chicago, Summer Quarter, 1918; Lecturer in Extension Division, University of Wisconsin, 1917-20; Secretary of the Delegation of the "Junta para Ampliación de Estudios" in the United States, and Director of the Spanish Bureau of the Institute of International Education, New York City, 1920.

GEORGE CYRIL ARMSTRONG, † B.A., *Lecturer in Greek.*

Harpenden, England. B.A., First Class Honours in Classics and Ancient Philosophy and Chancellor's Classical Medallist, University of Cambridge, 1898; Teacher of Greek Composition, St. Paul's School, London, 1900-04; Assistant Lecturer in Latin, University of Liverpool, 1904-06; Teacher of Latin and Greek, St. George's School, Harpenden, 1907-19; and Liverpool Collegiate School, 1919-20.

JOHN WILLIAM DRAPER, ‡ *Lecturer (elect) in English Literature.*

A.B., New York University, 1914; and M.A., 1915; M.A., Harvard University, 1918, and Ph.D., 1920; Assistant in English, New York University, September, 1914, to December, 1915, and Instructor in English, December, 1915, to September, 1916; Instructor in English, University of Minnesota, 1920—.

WILL SENTMAN TAYLOR, § *Lecturer (elect) in Psychology.*

S.B., Pennsylvania College of Gettysburg, 1916; A.M., Harvard University, 1920; Assistant in Philosophy, Psychology and Modern European History, Pennsylvania College of Gettysburg, 1916-17; Assistant in Philosophy, Harvard University, 1919-20.

ESTHER CLOUDMAN DUNN, A.B., *Instructor in English Composition.*

A.B., Cornell University, 1913. Lecturer in English, Maine State Summer School, 1914. Graduate Student in English, Bryn Mawr College, 1915-17; appointed Fellow in English, 1917-18; Instructor in English Composition and Acting Director of the Work in First and Second Year English Composition, 1917-19; Graduate Student, Bedford College and University of London, 1919-20.

MARJORIE LORNE FRANKLIN, A.M., *Instructor in Economics and Politics.*

A.B., Barnard College, 1913, and A.M., Columbia University, 1916. Graduate Scholar, Bryn Mawr College, 1913-14, and Fellow in Economics, 1914-15; Columbia University, 1915-16; Library Assistant, American Telephone and Telegraph Co., 1916-17; Instructor in Political Science, Vassar College, 1917-18.

HELEN E. FERNALD, A.B., *Instructor in History of Art.*

A.B., Mount Holyoke College, 1914. Teachers' College, 1916-18; Scientific Artist and Research Assistant, Columbia University, 1915-18.

MARY AGNES QUIMBY, Ph.D., *Instructor in German.*

A.B., Bryn Mawr College, 1906; A.M., Cornell University, 1916; Ph.D., University of Pennsylvania, 1918; Teacher of German and History in the Berwyn High School, 1907-14; Graduate Student, Cornell University, 1915-16; Pepper Fellow in Germanics, University of Pennsylvania, 1916-18.

MALCOLM HAVENS BISSELL, A.M., *Instructor in Geology.*

Ph.B., Yale University, 1911, and A.M., 1918; Instructor in Engineering, University of Pittsburgh, 1913-14; Assistant in Geography, Yale University, 1917-18; with Connecticut Geological Survey, 1917.

* Substitute for Miss Carolina Marcial Dorado, Instructor in Spanish.

† Substitute for Professor Wilmer Cave Wright, Professor of Greek.

‡ Substitute for Professor Samuel Claggett Chew, Professor of English Literature.

§ Substitute for Professor James H. Leuba, Professor of Psychology.

SUE AVIS BLAKE, M.A., *Instructor in Physics.*

A.B., Bryn Mawr College, 1898, and M.A., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15, Bryn Mawr College, 1918-19.

CAROLINA MARCIAL DORADO,* M.A., *Instructor in Spanish.*

A.B., Instituto Cardenal Cisneros, University of Madrid, 1907; M.A., University of Pennsylvania, 1920. Graduate Student, Wellesley College, 1909-10; University of Porto Rico, 1914-16; University of Madrid, Summer School, 1913; Columbia University, 1918-19, and University of Pennsylvania, 1918-20; Instructor in Spanish, Wellesley College, 1907-11; Assistant Professor of Spanish Literature, University of Porto Rico, 1911-17; Head of the Spanish Department of Ginn and Co., 1917-18, 1920-21.

MARY SINCLAIR CRAWFORD, A.B., *Instructor in French.*

A.B., Wilson College, 1903. Teacher in the Barber Memorial Seminary, Anniston, Ala., 1903-05; and in the Misses Timlow's School, Washington, D. C., 1906; Founder and Co-Principal and Head of French Department, King-Crawford Classical School, Terre Haute, Ind., 1906-16; Dean and Head of French Department, Girtton School, Winnetka, Ill., 1916-18. Executive Secretary, Department of Women in Industry of Pennsylvania Council of National Defense, 1918-19; Community Organizer for War Camp Community Service, 1919; Graduate Student, University of Pennsylvania, 1918-19, 1920-21.

KATHARINE FORBES LIDDELL, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1910. Teacher of English and Athletics in Lucy Cobb Institute, Athens, Ga., 1910-12; Instructor in English, Miss Madeira's School, Washington, D. C., 1912-14; Graduate Student, University of Oxford, 1914-15; Instructor in English Composition, Wellesley College, 1915-20.

GLADYS BOONE, M.A., *Instructor in Social Economy and Social Research.*

Stoke-on-Trent, England. B.A., University of Birmingham, 1916, and M.A., 1917. Teacher of young employees, especially in connection with the Cadbury Chocolate Factories, and tutor in Economic History in Workers' Educational Association, Birmingham, 1917-19; Holder of Rose Sidgwick Memorial Fellowship at Columbia University, 1919-20.

AMPHILIS T. MIDDLEMORE, B.A., *Instructor in English Composition.*

Worcester, England. University of Oxford, Final Honour School in English Language and Literature, 1916. English Teacher, Worcester Secondary School for Girls, 1918-20.

MARY JANE GUTHRIE, A.M., *Instructor in Biology.*

A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoölogy, University of Missouri, 1916-18; Assistant Demonstrator and Honorary Scholar in Biology, Bryn Mawr College, 1918-19.

EDNA EIMER, M.A., *Instructor in English Composition.*

A.B., University of Wisconsin, 1906, and M.A., 1919. Instructor in English, University of Wisconsin, 1918-20.

CHRISTINE SARAUF, PH.D., *Instructor (elect) in Italian, Spanish and German.*

M.A., Columbia University, 1910, and Ph.D., University of Jena, 1915. Student in the Universities of Paris, Jena and Zurich; Studied in Italy and Spain. Teacher in Preparatory Schools, 1902-06, 1910-13; Instructor in Spanish, Italian, and French, Vassar College, 1906-08, and in German, 1916-17; Instructor in German and Spanish, Bryn Mawr College, 1917-18.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899.

ANNA MARGUERITE MARIE LEHR, A.B., *Reader in Mathematics.*

A.B., Goucher College, 1919.

MARGARET GEORGIANA MELVIN, M.A., *Reader in English.*

New Brunswick, Canada. A.B., Royal Victoria College, McGill University, with honours in English and Philosophy, 1917, and M.A., 1919. Graduate Scholar in Philosophy, Bryn Mawr College, 1917-18; Fellow in Philosophy, 1918-20.

* Granted leave of absence for the year 1920-21.

MARIAN CLEMENTINE KLEPS, A.B., *Reader (elect) in Mathematics.*

A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916. Assistant to the Recording Secretary, 1916-17; Reader in Mathematics, 1917-18; Assistant to the Secretary and Registrar, 1918-21.

MARGARET MONTAGUE MONROE, A.B., *Assistant Demonstrator in Experimental Psychology.*

Barnard College, Columbia University, 1911-13. A.B., Mount Holyoke College, 1915. Teacher of French, Commercial High School, Atlanta, Ga., 1915-16; Scholar in Psychology, Bryn Mawr College, 1916-17, and Fellow in Psychology, 1918-20; Teacher of Mathematics in Smead School, Toledo, Ohio, 1917-18.

MARY L. MORSE, M.S., *Demonstrator in Chemistry.*

B.S., University of Michigan, 1919, and M.S., 1920.

LOUISE LITTTG SLOAN, A.B., *Assistant Demonstrator in Applied Psychology.*

A.B., Bryn Mawr College, 1920.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-12.

MARY LOUISE TERRIEN, A.B., *Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

MARY ISABELLE O'SULLIVAN, A.B., *Head Cataloguer.*

A.B., Bryn Mawr College, 1907; New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, Philadelphia, 1909-15; Cataloguer, New York Public Library, 1916-17; Scholar in English Composition, Bryn Mawr College, 1917-18.

MAY MORRIS, PH.B., *Assistant to the Circulation and Reference Librarian.*

Ph.B., Dickinson College, 1909. Pratt Institute School of Library Science, 1917.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

CONSTANCE M. K. APPLEBEE, *Director of Physical Training and Supervisor of Health.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

CONSTANCE ELEANOR DOWD, A.B., *Assistant Director of Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1916. Secretary to Attending Surgeon, Roosevelt Hospital, 1917-18; Clerk, Ordnance Bureau, War Department, 1918-19.

VALERIA H. PARKER, M.D., *Special Lecturer in Social Hygiene.*

A.B., Oxford College, O., 1898, M.D., Hering Medical College, Chicago, 1902; Assistant Educational Director, American Social Hygiene Association; Director, Social Morality Department, National Women's Christian Union; Chairman, Social Hygiene Committee, National League of Women Voters.

HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall.*

A.B., Bryn Mawr College, 1889.

LESLIE RICHARDSON, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1918. Foreign Correspondent, National City Bank, New York City, 1918.

HANNAH THAYER CARPENTER, A.B., *Warden of Denbigh Hall.*

A.B., Bryn Mawr College, 1898. Student and Teacher of Music, 1899-1919. Volunteer Social Worker, 1907-19, and Teacher, Handicraft Club of Providence, R. I., 1914-19; Teacher of Piano at Music School Settlement, New York City, 1911-13.

ELEANOR LOUISA LORD, PH.D., *Warden of Rockefeller Hall.*

A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898. Fellow in History, Bryn Mawr College, 1889-90, 1895-96; Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Goucher College, 1897-1901, Associate Professor, 1901-04, and Professor of History, 1904-11; President of the History Teachers' Association of the Middle States and Maryland, and President of the History Teachers' Association of Maryland, 1908-09; Dean of Goucher College, and Professor of History, 1911, 1911-19.

MARGARET WENTWORTH BROWNE, *Warden of Merion Hall.*

Bryn Mawr College, 1896-98; College Settlements' Association Bryn Mawr College Fellow, 1908-09; Assistant Secretary, National Consumers' League, 1909-12; Treasurer of Label Shop, 1912; Confidential Filing Clerk, Navy Department, 1918-19; Secretary, Office of Operations, 1919-20.

HARRIET JEAN CRAWFORD, A.B., *Junior Bursar.*

A.B., Bryn Mawr College, 1902. Chairman of Sectional School Board, 35th Ward, Philadelphia, 1910-16; Warden of Rockefeller Hall, Bryn Mawr College, 1907-11.

HEALTH DEPARTMENT.**HILDA WORTHINGTON SMITH, A.M., *Head of Health Department.*****M. CAREY THOMAS, PH.D., LL.D., L.H.D., *Ex-officio.*****CONSTANCE M. K. APPLEBEE, *Health Supervisor.*****THOMAS F. BRANSON, M.D., *Physician-in-Chief.***

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

JANE SANDS, M.D., *Assistant Resident Physician.*

A.B., Syracuse University, 1915; M.D., Woman's Medical College of Pennsylvania, 1918. Interne, Philadelphia General Hospital, 1919-20; Licentiate, National Board of Medical Examiners, 1920; Special Lecturer in Hygiene, Virginia State Board of Health, Summer, 1920.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician.*

GEORGE E. DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 2000 Spruce Street, Philadelphia, *Consultant Surgeon.*

ARTHUR E. BILLINGS, M.D., 1703 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 302 South 19th Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 South 16th Street, Philadelphia, *Consultant Orthopaedist.*

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO,* Ph.D., *Director.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Professor of Education, Bryn Mawr College.

ELSIE GARLAND HOBSON, Ph.D., *Head Mistress.*

A.B., Boston University, 1895, and A.M., 1896; Ph.D., University of Chicago, 1916. Teacher of Greek and English, High School, Lewiston, Me., 1896-97; Teacher of Greek and Latin, Academy for Women, Jacksonville, Ill., 1897-99; Principal in Greek and Latin, Academy for Women, Jacksonville, Ill., 1899-1900; Principal and Teacher of Greek and Latin, Michigan Seminary, Kalamazoo, Mich., 1900-07; Principal and Teacher of Greek and Latin, Frances Shimer Academy, Mt. Carroll, Ill., 1907-13; Teacher of Greek and Latin, Miss Spaid's School, Chicago, Ill., 1913-14; Head of High School Department and Teacher of Mathematics and History, Mary C. Wheeler School, Providence, R. I., 1914-18.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

MABEL PAULINE WOLFF, A.M., *Teacher of History.*

A.B., Barnard College, 1905, and A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06, Allentown College for Women, 1906-07, Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Washington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16.

ALICE RUTH PARKER, A.M., *Teacher of Greek and Latin.*

A.B., Mount Holyoke College, 1913, and A.M., 1915. Reader in Latin, Mount Holyoke College, 1913-15; Teacher of Latin, High School, Hudson, N. Y., 1915-17; Teacher of Latin, Cortland Normal School, Cortland, N. Y., 1917-18.

RIDIE J. GUION, A.M., *Teacher of English.*

A.B., Wellesley College, 1911; A.M., Columbia University, 1917. Teacher of English, Graham Hall, Minneapolis, Minn., 1912-15; Miss Fine's School, Princeton, N. J., 1915-17.

JOSEPHINE WILCOX,† Ph.B., *Teacher of French.*

Ph.B., University of Chicago, 1907. Teacher of French, Kenwood-Loring School, Chicago, 1907-08; Alcott School, Lake Forest, Ill., 1907-10; Tutor, Lake Forest, 1910-13; European travel and study, 1913-14; Private Class, Groton, Mass., 1914-15; Teacher of French, Adelphi Academy, Brooklyn, N. Y., 1915-16; The Finch School, New York City, 1916-17; Kenwood-Loring School, Chicago, 1917-19.

ELIZABETH RIDER MERRITT, B.S., *Teacher of Painting, Drawing and Modeling, and Crafts.*

B.S., Teachers College, Columbia University, 1918. Teacher of Fine Arts, Horace Mann School, Teachers College, New York City, 1918-19.

N. ELENA COLLINGE, B.S., *Teacher of Primary Department.*

B.S., Teachers College, Columbia University, 1909. Graduate Student, Columbia University, 1919.

MARTHE JEANNE TROTAIN, *Teacher of French.*

Paris, France. Certificat d'aptitude à l'enseignement de l'anglais dans les lycées et Collèges, 1918; Student in the Sorbonne, 1916-18; Teacher in Schools in England, 1913-16; French Graduate Scholar, Bryn Mawr College, 1918-20.

MONICA HEALEA, A.B., *Teacher of Mathematics and Physics.*

A.B., Bryn Mawr College, 1920.

† Died October, 1920.
* Granted leave of absence for the year 1921-22.

MARCELIA WAGNER, A.B., *Teacher of Elementary Mathematics and Beginning Science.*

A.B., Wellesley College, 1917. Laboratory Assistant in Botany, Wellesley College, 1917-18; Instructor in Botany, Sweet Briar College, 1918-20.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurhythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Geneva, Switzerland, and only authorized Director of the Dalcroze System in the United States.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906. Director of Gymnastics and Athletics, Bryn Mawr College.

ADA HART ARLITT, PH.D., *Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College, Tulane University, 1913; Ph.D., University of Chicago, 1917; Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14, and Fellow in Psychology, University of Chicago, 1914-16; Associate in Educational Psychology, Bryn Mawr College.

JANE SANDS, M.D., *Physician of the School.*

A.B., Syracuse University, 1915; M.D., Woman's Medical College of Pennsylvania, 1918. Interne, Philadelphia General Hospital, 1919-20; Licentiate, National Board of Medical Examiners, 1920; Special Lecturer in Hygiene, Virginia State Board of Health, summer, 1920.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893. Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97; Examining Oculist of Bryn Mawr College.

The Academic Committee of the Alumnae

- JANET TUCKER HOWELL CLARK, PH.D. (Mrs. Admont Halsey Clark),
232 West Lanvale Street, BALTIMORE, MD.
- ELIZABETH SHEPLEY SERGEANT, A.B., 56 West 10th Street, NEW YORK
CITY.
- HELEN ESTABROOK SANDISON, PH.D., Vassar College, Poughkeepsie, N. Y.
- ELEANOR LOUISA LORD, PH.D., Rockefeller Hall, Bryn Mawr College,
Bryn Mawr, PA.
- ABIGAIL CAMP DIMON, M.A., 367 Genesee Street, UTICA, N. Y.
- KATHERINE ROTAN DRINKER, A.B., M.D. (Mrs. Cecil Kent Drinker),
22 Evans Way, BOSTON, MASS.
- ELEANOR LOUIE FLEISHER, A.B. (Mrs. David Riesman), 1715 Spruce Street,
PHILADELPHIA.
- LOUISE BUFFUM CONGDON, A.B. (Mrs. Richard Standish Francis) (*ex
officio*), 414 Old Lancaster Road, HAVERFORD, PA.

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

- NEW YORK CITY: MRS. LEARNED HAND, 142 East 65th Street.
- BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 Cathedral Street.
- PITTSBURGH, PA.: MRS. ALEXANDER JOHNSTON BARRON, Woodland Road,
Edgeworth, Sewickley.
- UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, Clinton, N. Y.
- NEW HAVEN, CONN.: MRS. CHARLES McLEAN ANDREWS, 424 St. Ronan
Street.
- FARMINGTON, CONN.: MRS. HERBERT KNOX SMITH.
- BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, 32 Woodland Road, Jamaica
Plain, Mass.
- FALL RIVER, MASS.: MRS. RANDALL NELSON DUFEE, 19 Highland
Avenue.
- CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, 1085 Sheridan Road,
Hubbard Woods, Ill.
- INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, 3221 North Penn-
sylvania Street.
- MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, 633 Francis Street.
- MINNEAPOLIS, MINN.: MRS. HAROLD OLNEY HUNT, 2316 First Avenue,
South.
- ST. LOUIS, MO.: MRS. GEORGE GELLHORN, 4366 McPherson Avenue.
- PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, Inwood, Hewett Boulevard,
Hillsdale.
- LOS ANGELES, CALIF.: MRS. LELAND JAMES FOGG, 1247 Sycamore Avenue,
Hollywood, Calif.
- ROSS, CALIF.: MRS. CHARLES PRICE DEEMS, St. John's Rectory.
- SALT LAKE CITY, UTAH.: MISS KATE WILLIAMS, 177 13th East Street.
- ENGLAND: THE HON. MRS. BERTRAND RUSSELL, 11 St. Leonard's Terrace,
Chelsea, London.

STUDENTS.

Fellows, Scholars, and Graduate Students for the Year 1920-21.

MARIE PAULA LITZINGER,.....*Bryn Mawr European Fellow.**
Bedford, Pa. A.B., Bryn Mawr College, 1920. James E. Rhoads Sophomore Scholar, 1917-18; First Charles S. Hinchman Memorial Scholar, 1918-19; Maria L. Eastman Brooke Hall Memorial Scholar and Anna M. Powers Memorial Scholar, 1919-20; Shippen Foreign Scholar, 1920-21. Teacher in Devon Manor School, Devon, Pa., and Graduate Student in Mathematics, Bryn Mawr College, 1920-21.

CECILIA IRENE BAECHLE,.....*President's European Fellow.**
Philadelphia. A.B., Bryn Mawr College, 1913, and M.A., 1920. Graduate Student, University of Pennsylvania, 1913-14, summers, 1914, 1915, 1917. Teacher of Latin, Seiler School, Harrisburg, Pa., 1914; of Latin and English, High School, York, Pa., 1914-16, and of English, 1916-19. Graduate Scholar in Education, Bryn Mawr College, 1919-20; Resident Fellow in Education, 1920-21.

THERESE MATHILDE BORN,.....*Mary E. Garrett European Fellow.*
Indianapolis, Ind. A.B., Bryn Mawr College, 1918, and M.A., 1919. Graduate Scholar in English, Bryn Mawr College, 1918-19, and Resident Fellow in English, 1919-20. Student, University of Oxford, 1920-21.

MARY MARTHA BAUSCH,
.....*Anna Ottendorfer Memorial Research Fellow in Teutonic Philology.**
Everett, Pa. A.B., Pennsylvania College, 1911, and A.M., 1918. Teacher in the Hollidaysburg School, Hollidaysburg, Pa., 1911-13; Assistant Principal, the High School, Bedford, Pa., 1913-17; Graduate Scholar in German, University of Wisconsin, 1918-19, and Fellow, 1919-20.

HELEN TURNBULL GILROY, *Helen Schaeffer Huff Memorial Research Fellow.*
Philadelphia. A.B., Bryn Mawr College, 1909, and M.A., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11, and Resident Fellow in Physics, 1911-12; Instructor in Physics, Mount Holyoke College, 1912-14; Demonstrator in Physics, Bryn Mawr College, 1914-15; Graduate Student in Physics, University of Chicago, 1915-17; Instructor in Physics, Vassar College, 1917-20; Graduate Student in Physics, University of Chicago, 1920-21.

ERNESTINE EMMA MERCER,.....*Fellow in Greek.*
Philadelphia. A.B., Bryn Mawr College, 1919, and M.A., 1920. Bryn Mawr European Fellow (elect) and Shippen Foreign Scholar (elect), and Graduate Scholar in Latin, 1919-20.

HELEN FRANCES WOOD,.....*Fellow in Latin.*
South Hadley Falls, Mass. A.B., Mount Holyoke College, 1918, and A.M., 1920. Graduate Scholar in Latin, Bryn Mawr College, 1919-20.

HELEN ROSE ADAMS,.....*Fellow in English.*
Meadville, Pa. A.B., Allegheny College, 1916, and M.A., 1919. Graduate Assistant in Latin, Allegheny College, 1917-20, and Instructor in English, Summer Session, 1919.

MARGARET GILMAN,.....*Fellow in French.*
Wellesley, Mass. A.B., Bryn Mawr College, 1919, and M.A., 1920. Graduate Scholar in French, 1919-20.

NINA LOUISE EARLY,.....*Fellow in History.*
Nashville, Tenn. B.S., Vanderbilt University, 1914, and M.S., 1915. Teacher in the High School, Clarksville, Tenn., 1915-19; Fellow in History, Bryn Mawr College, 1919-20.

AMY LAWRENCE MARTIN,.....*Fellow in Economics and Politics.*
Chicago, Ill. A.B., Bryn Mawr College, 1915; A.M., Columbia University, 1916. Teacher of Economics and History, Riverhook, Nyack, N. Y., 1916-19; Fellow in Economics and Politics, Bryn Mawr College, 1919-20.

* Fellowship deferred.

HELEN ELIZABETH SPALDING,
Carola Woerishoffer Fellow in Social Economy and Social Research.
 Detroit, Mich. A.B., Bryn Mawr College, 1919, and M.A., 1920. Graduate Student,
 Bryn Mawr College, 1919-20.

HELEN IVES SCHERMERHORN,
Carola Woerishoffer Fellow in Social Economy and Social Research.
 Schenectady, N. Y. A.B., Vassar College, 1908; A.M., Columbia University, 1920.
 Teacher in the Brown School, Schenectady, 1908-15; in the Albany School for Girls,
 Albany, N. Y., 1915-19; Graduate Student, Columbia University, 1919-20.

ISTAR ALIDA HAUPT,.....*Fellow in Psychology.*
 Roland Park, Md. A.B., Bryn Mawr College, 1917, and M.A., 1918. Graduate Scholar
 in Psychology, Bryn Mawr College, 1917-18, and Assistant Demonstrator in Applied
 Psychology, 1918-20.

CECILIA IRENE BAECHELE,.....*Fellow in Education.*
 Philadelphia. A.B., Bryn Mawr College, 1913. Graduate Student, University of Penn-
 sylvania, 1913-14, summers, 1914, 1915, 1917. Teacher of Latin, Seiler School, Harris-
 burg, Pa., 1914; of Latin and English, High School, York, Pa., 1914-16, and of English,
 1916-19; Graduate Scholar in Education, Bryn Mawr College, 1919-20, and President
 M. Carey Thomas European Fellow elect for 1920-21.

GRACE WANDELL NELSON,.....*Fellow in Classical Archaeology.*
 Philadelphia. A.B., Wellesley College, 1917. Graduate Student, Wellesley College,
 1917-18; Graduate Scholar in Classical Archaeology, Bryn Mawr College, 1918-19.

HELEN FRANCES GOLDSTEIN,.....*Fellow in Chemistry.*
 New York City. B.S., Barnard College, 1918. Graduate Scholar in Chemistry, Bryn
 Mawr College, 1918-19, and Fellow in Chemistry, 1919-20.

HOPE HIBBARD,.....*Fellow in Biology.*
 A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoölogy, University of
 Missouri, 1915-18. Honorary Scholar and Assistant Demonstrator in Biology, Bryn
 Mawr College, 1918-19, and Fellow in Biology, 1919-20.

MARGARET CAMERON COBB,
Fellow by Courtesy and Graduate Scholar in Geology.
 Portsmouth, Va. A.B., North Carolina Normal College, 1912; A.B., Barnard College, 1915.
 Teacher in the Public Schools, Norfolk, Va., 1912-14; Student, Barnard College, 1914-15,
 Columbia University, 1915-16; Fellow in Geology, Bryn Mawr College, 1916-17,
 1919-20; Instructor in Geology, Mount Holyoke College, 1917-19.

LEAH HANNAH FEDER,
Carola Woerishoffer Fellow by Courtesy in Social Economy and Research.
 Passaic, N. J. A.B., Mount Holyoke College, 1917. Graduate Scholar in Social Economy
 and Social Research, Bryn Mawr College, 1917-18, Fellow, 1918-19; Supervisor,
 Receiving Department, Pennsylvania Children's Aid Society, 1919—.

LEONA CHRISTINE GABEL,.....*Fellow by Courtesy in History.*
 Syracuse, N. Y. A.B., Syracuse University, 1915. Columbia University, Summer session,
 1916. Teacher in the High School, Canastota, N. Y., 1915-17. Graduate Scholar in
 History, Bryn Mawr College, 1917-18, and Fellow in History, 1918-19. Teacher of
 History in the Shipley School, Bryn Mawr, and Graduate Student in History, Bryn
 Mawr College, 1919-21; European Traveling Fellow elect, 1921-22.

MARGARET GEORGIANA MELVIN,.....*Fellow by Courtesy in Philosophy.*
 New Brunswick, Canada. A.B., Royal Victoria College, McGill University, with honours
 in English and Philosophy, 1917, and A.M., 1919. Graduate Scholar in Philosophy,
 1917-18, and Fellow in Philosophy, 1918-20; Reader in English and Graduate Student
 in Philosophy, 1920-21.

HELEN ELIZABETH PATCH,.....*Fellow by Courtesy in French.*
 Bangor, Maine. A.B., Mount Holyoke College, 1914. Teacher in the East Maine Con-
 ference Seminary, 1914-16, and in the High School Bangor, 1916-17. Graduate Scholar
 in Romance Languages, 1917-18, Fellow in French, 1918-19; A. C. A. European
 Fellow and Student, Sorbonne and Collège de France, 1919-20; Teacher in the Shipley
 School, Bryn Mawr, and Graduate Student in French, 1920-21.

ELIZABETH LANE PORTER, .

Bryn Mawr-Intercollegiate Community Service Association Joint Fellow.

Fort Wayne, Ind. A.B., Bryn Mawr College, 1916; M.A., Carnegie Institute of Technology, 1920. Chief Clerk, District Exemption Board, 1917-19; Social Work, Margaret Morrison Division of Carnegie Institute of Technology, 1919-20.

MARY BROOKS GOODHUE, *Industrial Fellow in Social Economy.*

Philadelphia. A.B., Bryn Mawr College, 1915; M.A., University of Pennsylvania, 1918. Teacher in the High School, Lunenburg, Mass., 1915-17; Industrial Secretary, Y. W. C. A., Baltimore, Md., 1918-20.

VIRGINIA WENDEL SPENCE, *Industrial Fellow in Social Economy.*

Austin, Tex. A.B., University of Texas, 1917, and M.A., 1920.

CHARLOTTE ISABELLE FERNANDE CHURCHILL, *British Scholar.*

Paris, France. Certificate equivalent to B.A., Honour School of English Language and Literature, University of Oxford, 1918. Secretary to the President of the British Committee of the French Red Cross, 1918-20.

FLORENCE MARY DUNCAN, *British Scholar.*

Comrie, Perthshire, Scotland. Certificate equivalent to B.A., Honour School of English Language and Literature, University of Oxford, 1920; Student, Somerville College, 1917-20.

THERESE KATHLEEN KELLY, *British Scholar.*

Blackrock, Co. Dublin, Ireland. B.A. with Honours in Modern Languages, National University of Ireland, 1916. Examiner of Income Tax Claims, H. M. Civil Service, and Examiner and Assessor of Deeds for Stamp Duties, Four Courts, Dublin, 1916-20.

MILDRED TONGE, *British Scholar.*

Chequerbent, Lancashire, England. Newnham College, University of Cambridge, 1917-20, English Tripos, Part I, Class 1, 1919, Part II, Class 1, 1920.

SUZANNE ADÈLE EUGÉNIE CHAMBRY, *French Scholar.*

Paris, France. Licenciée-ès-lettres, University of Paris, 1915; Diplôme d'Études supérieures d'anglais, 1918. Student of the Sorbonne, 1913-16, 1918-20; Assistant in the University of Birmingham, 1916-18.

JEANNE MARIE GALLAND, *French Scholar.*

Mazamet, France. Licenciée-ès-lettres "mention Anglais", 1920. Diplôme de fin d'Études secondaires, 1917. Student, Collège d'Albi, 1912-18; University of Montpellier, 1918-20.

GEORGETTE HONORINE VERNIER, *French Scholar.*

Paris, France. Licenciée-ès-lettres, University of Paris, 1920. Student at the Sorbonne and University of Paris, 1917-20.

MARIA LUISA GARCIA-DORADO-Y-SEIRULLO, *Spanish Scholar.*

Salamanca, Spain. Licenciada en Letras, University of Salamanca, 1917. Graduate Student, University of Madrid, 1917-19, and Teacher of Latin in the Instituto-Escuela of Madrid, 1918-20.

RUTH EMMA MARIA REHNBERG, *Swedish Scholar.*

Hjo, Sweden. Bachelor of Arts, University of Upsala, 1917. Student, University of Lund, Semester I, 1914; University of Upsala, 1915-18. Library Assistant, University of Upsala Library, 1918-19.

MARY ALBERTSON, 2ND, *History.*

Bryn Mawr, Pa., A.B., Bryn Mawr College, 1915. Teacher of English, St. Nicholas School, Seattle, Wash., 1916-17, Homestead School, Healing Springs, Va., 1917-18; Baldwin School, Bryn Mawr, 1918—.

MARTHA ANDERSON, *Social Economy.*

Philadelphia. B.S., Simmons College, 1919. Secretary, Carola Woerishoffer Department of Social Economy and Social Research, 1919—.

ALICE BEARDWOOD, *History.*

Philadelphia. A.B., Bryn Mawr College, 1917. Teacher of Latin and Mathematics, Flagler School, Jacksonville, Fla., 1918-19, Southfield Point School, Stamford, Conn., 1919-20, and Academic Head and Teacher of History, Devon Manor, Devon, Pa., 1920—.

MARY BISHOP, *Graduate Scholar in Latin.*

Keeseville, N. Y. Ph.B., University of Vermont, 1920.

- ETHEL KATHERINE BOYCE,.....*English*.
Denver, Colo. A.B., State University of Iowa, 1919. Reader in English Composition,
State University of Iowa, 1917-19.
- MARY GARRETT BRANSON,.....*Mathematics*.
Rosemont, Pa. A.B., Bryn Mawr College, 1916. Columbia University, Summer Session,
1917. Teacher of Mathematics and Science, Rosemary Hall, Greenwich, Conn.,
1916-18, and in the Shipley School, Bryn Mawr, Pa., 1918-20.
- HELEN ELIZABETH BRENNAN,.....*Susan B. Anthony Memorial Scholar*.
Leetonia, Ohio. A.B., Radcliffe College, 1920.
- ANNA HAINES BROWN,.....*History*.
Philadelphia. A.B., Bryn Mawr College, 1915, and M.A., 1916. Graduate Student, Bryn
Mawr College, 1915-17.
- MADELAINE RAY BROWN,.....*Psychology*.
Providence, R. I. A.B., Bryn Mawr College, 1920.
- ELEANOR HOUSTON CARPENTER,*.....*History*.
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1916. Administrative Assistant, Ordnance
Department, Washington, 1918-19.
- RUTH EMILY CHAPMAN,.....*Graduate Scholar in Social Economy*.
Philadelphia. A.B., University of Denver, 1919. Office Manager, Goodwill Industries,
Philadelphia, 1919—.
- LUCY EVANS CHEW,†.....*Italian*.
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1918.
- ELEANOR GRACE CLARK,.....*English*.
Portland, Ore. A.B., Oberlin College, 1918, and M.A., 1919. Teacher of English in St.
Helen's Hall, Portland, O., 1918-20.
- EVA COHEN,.....*Industrial Scholar in Social Economy*.
Hartford, Conn. A.B., Smith College, 1916. Worker in United Hebrew Charities, New
York City, 1916-17; in New York Probation and Protective Association, 1917; in
Juvenile Commission, Hartford, 1917-18, 1919-20; in U. S. Employment Service,
Connecticut, 1918-19.
- ELIZABETH MORGAN COOPER,.....*Mathematics*.
Syracuse, N. Y. A.B., Radcliffe College, 1913. Teacher of Mathematics in the Baldwin
School, Bryn Mawr, Pa., 1913—.
- MARY DELIGHT CRAIGMILE,.....*Graduate Scholar in Mathematics*.
Knox, Ind. A.B., University of Illinois, 1918. Teacher of Mathematics in the High
School, Champaign, Ill., 1918-20.
- REGINA KATHERINE CRANDALL,.....*Spanish*.
Bryn Mawr, Pa. A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Mar-
garet Kingsland Haskell Professor of English Composition, Bryn Mawr College.
- MARJORIE HELEN DARR,.....*Red Cross Scholar in Social Economy*.
St. Marys, Pa. A.B., Smith College, 1916. Teaching, 1916-18; American Red Cross
Worker, 1918-19.
- NYOK ZOE DONG,.....*Graduate Scholar in Social Economy*.
Shanghai, China. Ginling College, 1916-18. A.B., Smith College, 1920. Scholar of the
Chinese Educational Mission.
- CONSTANCE ELEANOR DOWD,.....*Education*.
New York City. A.B., Bryn Mawr College, 1916. Clerk, Ordnance Bureau, War Depart-
ment, 1918-19; Assistant to Director of Athletics and Gymnastics, Bryn Mawr College,
1919—.
- HELEN ELIZABETH FERNALD,.....*History of Art*.
Amherst, Mass. A.B., Mount Holyoke College, 1914. Graduate Student, Teachers
College, Columbia University, 1916-18. Technical Artist and Research Assistant,
Columbia University, 1915-18. Instructor in History of Art, Bryn Mawr College.

* Mrs. Rhys Carpenter.

† Mrs. Samuel Claggett Chew.

- LUCILE FULK,.....*Industrial Scholar in Social Economy.*
Atlanta, Neb. A.B., University of Nebraska, 1919. Teacher of English in the High School, Norfolk, Neb., 1919-20.
- MARY DOROTHY GLENN,.....*French.*
Johnstown, Pa. A.B., Bryn Mawr College, 1917. Teacher of Languages in the High School, Somerset, Pa., 1917-18, and Private Tutor, 1918-20.
- MADELEINE GUILLAUMIN,.....*English and History of Art.*
Moulins-Allier, France. Student, University of Clermont Ferrand, 1917-19.
- RIDIE JUSTICE GUION,.....*Education.*
Charlotte, N. C. A.B., Wellesley College, 1911; M.A., Columbia University, 1917. Teacher of English, Graham Hall, Minneapolis, Minn., 1912-14, in Miss Fine's School, Princeton, N. J., 1915-16, and in the Phebe Anne Thorne Model School, Bryn Mawr, Pa., 1919—.
- MARY JANE GUTHRIE,.....*Biology.*
Columbia, Mo. A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoology, University of Missouri, 1916-18; Honorary Scholar and Assistant Demonstrator in Biology, Bryn Mawr College, and Demonstrator, 1919—.
- EMMA M. HAIGH,.....*Spanish.*
Ardmore, Pa. B.S., Teachers College, Columbia University, 1909, and M.A., University of Pennsylvania. Teacher of German in the Friends' Central School, Philadelphia, 1901-03, in the Trenton Normal School, Trenton, N. J., 1903-08, in the Girls' High School, Philadelphia, 1909-12, and of German and Spanish in the Girls' High School, West Philadelphia, 1912—.
- MINNIE ETTA HARMAN,.....*Red Cross Scholar in Social Economy.*
Tazewell, Va. A.B., Lynchburg College, 1914. University of Virginia Summer School, 1916, 1920. Assistant Principal of High Schools, 1915-18; American Red Cross Worker, 1918-19.
- MONICA HEALEA,.....*Mathematics.*
New Philadelphia, Ohio. A.B., Bryn Mawr College, 1920. Teacher of Mathematics and Science in the Phebe Anna Thorne Model School, 1920—.
- DOROTHY HELEN HEIRONIMUS,.....*Earlham College Scholar.*
Richmond, Ind. A.B., Earlham College, 1920.
- MARGARET HIRSH,.....*Graduate Scholar in Social Economy.*
Melrose Park, Pa. A.B., Smith College, 1920.
- KATHERINE HUFF,.....*Graduate Scholar in Philosophy.*
Champaign, Ill. A.B., University of Illinois, 1920.
- ELIZABETH BERGNER HURLOCK,.....*Social Philosophy.*
Philadelphia. A.B., Bryn Mawr College, 1919. Teacher in the Manor School, Larchmont Manor, N. Y., 1919-20, and in Springside, Chestnut Hill, Philadelphia, 1920-21.
- FLORENCE CATHERINE IRISH,.....*History.*
Norristown, Pa. A.B., Bryn Mawr College, 1914, and A.M., 1916. Teacher in Miss Roney's School, 1917-18; Woman's Committee, Council of National Defence, and Bureau of Aircraft Production, Washington, D. C., 1918-19, Private Tutor, 1919-20. Graduate Student, Bryn Mawr College, 1914-16.
- HELEN EMILY KINGSBURY,.....*Graduate Scholar in English.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1920.
- SIBYL IONE KRAMME,.....*Penn College Scholar.*
Oakaloosa, Iowa. A.B., Penn College, 1920.
- ANNA MARGUERITE MARIE LEHR,.....*Mathematics.*
Baltimore, Md. A.B., Goucher College, 1919. Reader and Graduate Student in Mathematics, Bryn Mawr College, 1919—.
- KATHARINE FORBES LIDDELL,.....*English.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1910. Teacher in the Lucy Cobb Institute, Athens, Ga., 1910-12, in Miss Madeira's School, Washington, D. C., 1912-14; Student, University of Oxford, 1914-15. Instructor in English Composition, Wellesley College, 1915-20; Bryn Mawr College, 1920—.

- MARIE PAULA LITZINGER, *Mathematics.*
Bedford, Pa. A.B., Bryn Mawr College, 1920. Teacher of Latin and Mathematics in the Devon Manor School, Devon, Pa., 1920—.
- BEATRICE MCGEORGE, *English and Education.*
Cynwyd, Pa. A.B., Bryn Mawr College, 1901. Teacher in the Agnes Irwin School, Philadelphia, 1919—. Graduate Student, Bryn Mawr College, 1902-03, 1918—.
- ELIZABETH VAIL MCSHANE, *Chemistry and Biology.*
Philadelphia. A.B., Vassar College, 1913. Teacher in the Ben Davis High School and in Tudor Hall, Indianapolis, Ind., 1913-15; Bond Sales Woman, 1916-18; Assistant Secretary, Pennsylvania Health Insurance Commission, 1918-19; Director, Clothiers' Research Bureau, Baltimore, 1919-20.
- LOIS ANGELINA MEREDITH, *Robert G. Valentine Scholar in Social Economy.*
Minneapolis, Minn. A.B., Grinnell College, 1919. Teacher, Nashua, Ia., 1919-20.
- AMPHILIS T. MIDDLEMORE, *English.*
Worcester, England. University of Oxford, Final Honour School in English Literature and Language, 1916.
- MARGARET MONTAGUE MONROE, *Psychology.*
Asheville, N. C. A.B., Mount Holyoke College, 1915. Teacher in the Commercial High School, Atlanta, Ga., 1915-16; Scholar in Psychology, Bryn Mawr College, 1916-17, Fellow, 1918-20, and Assistant Demonstrator in Psychology, 1920—.
- ANNE HENDRY MORRISON, *Community Center Scholar in Social Economy.*
Kansas City, Mo. A.B., Missouri University, 1914. Summer Session, Chicago University, 1916, 1919, Columbia University, 1917, Mount Holyoke College, 1918. Teacher in Public Schools, 1905-06, 1907-13, 1914-15, and in Westport High School, 1915-20.
- MARY LUCEIL MORROW, *Graduate Scholar in English.*
Portland, Ore. A.B., University of Oregon, 1920.
- WINIFRED SEELY MYERS, *English.*
Berwick, Pa. Ph.D. in Music, Syracuse University, 1917, and A.B., 1918. Teacher in the High School, Berwick, Pa., 1918-20.
- ARDIS NASON, *Industrial Scholar in Social Economy.*
Tyrone, Pa. A.B., Mount Holyoke College, 1920.
- VANNER EMMA NEECE, *Guilford College Scholar.*
Climax, N. Car. B.S., Guilford College, 1920. Teacher in Public Schools, 1913-15.
- MARGARET ERSKINE NICHOLSON, *Graduate Scholar in Philosophy.*
Oradell, N. J. A.B., Barnard College, 1920.
- MIRIAM O'BRIEN, *Graduate Scholar in Psychology.*
Brookline, Mass. A.B., Bryn Mawr College, 1920.
- MARY ISABELLE O'SULLIVAN, *English.*
Philadelphia. A.B., Bryn Mawr College, 1907. New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, 1909-15; Cataloguer, New York Public Library, 1916-17. Graduate Scholar in English Composition, 1917-18, and Cataloguer, Bryn Mawr College Library, 1918—.
- ETHEL PEW, *Social Economy.*
Bryn Mawr, Pa. A.B., 1906. Graduate Student, Bryn Mawr College, 1908-09.
- ALICE MAY PIRIE, *Industrial Scholar in Social Economy.*
Fort Collins, Colo. A.B., Colorado College, 1919. Principal of Estes Park School, Estes Park, Colo., 1919-20.
- ARLINE FEARON PRESTON, *Graduate Scholar in Philosophy.*
Fallston, Md. A.B., Bryn Mawr College, 1920.
- LESLIE RICHARDSON, *History.*
Cambridge, Mass. A.B., Bryn Mawr College, 1918. Warden of Radnor Hall, 1919—.
- CATHERINE PALMER ROBINSON, *Graduate Scholar in French.*
Greenwich, Conn. A.B., Bryn Mawr College, 1920.

- NITA EMELINE SCUDDER,.....*Graduate Scholar in English.*
Oxford, Ohio. B.S., Miami University, 1920.
- BERTHA SHANEK,.....*Industrial Scholar in Social Economy.*
Odell, Neb. A.B., University of Nebraska, 1912. Graduate Student, University of Nebraska, 1916-18; Summer Session, Columbia University, 1916. Teacher of History in the High School, Hastings, Neb., 1912-16, and in the University of Wyoming Preparatory High School, 1918-20.
- LOUISE LITTIG SLOAN,.....*Graduate Scholar in Psychology.*
Lutherville, Md. A.B., Bryn Mawr College, 1920. Assistant Demonstrator in Psychology, 1920—.
- MARGUERITE LYONS SNIDER,.....*Red Cross Scholar in Social Economy.*
Uniontown, Pa. A.B., Vassar College, 1918. Red Cross Civilian Relief Worker, 1918-20.
- MARTHE JEANNE TROTAI,.....*French.*
Paris, France. Certificat d'aptitude à l'enseignement d'Anglais dans les Lycées et Collèges, 1918. Student in the Sorbonne, 1916-18. Teacher in Schools in England, 1913-14, 1915-16. French Graduate Scholar, Bryn Mawr College, 1918-20; Teacher of French in the Phebe Anna Thorne Model School, 1920—.
- EMMI WALDER,.....*Swiss Industrial Scholar in Social Economy.*
Nauendorf, Switzerland. University of Zurich, Summer Semester, 1919; University of Berne, 1919-20.
- WHITTIER, ISABEL MARY SKOLFIELD,.....*History.*
Brunswick, Me. A.B., Bryn Mawr College, 1920.
- GRACE EDITH WILLIAMS,.....*Industrial Scholar in Social Economy.*
Oskaloosa, Iowa. Ph.B., Penn College, 1913. Summer Session, University of Chicago, 1917. Teacher in Public Schools, 1906-08, 1910-11; in High School, 1913-14. Y. W. C. A. General Secretary, 1915-17; Industrial Worker, 1917-20.
- FLORENCE LEOPOLD WOLF,*.....*Economics.*
Elkins Park, Pa. A.B., Bryn Mawr College, 1912.
- AGNES STERRETT WOODS,
Bryn Mawr Community Center Scholar in Social Economy.
Carlisle, Pa. A.B., Dickinson College, 1917, and A.M., 1918. Worker in Employment Office, National Board of Y. W. C. A., 1918-19. Graduate Student, Bryn Mawr College, 1919-20.

Undergraduate Students, Academic Year, 1920-21

- ADAMS, MARY,.....*Group, Chemistry and Biology, 1919-21.*
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich, Conn. New England States Matriculation Scholar, 1919-20.
- AFFELDER, LOUISE MAY,
Group, Economics and Politics and ———, 1919-21.
Pittsburgh, Pa. Prepared by the Peabody High School, Pittsburgh, and by the Schenley High School, Pittsburgh.
- ALDRICH, SUZANNE KATHERINE,
Group, History and Economics and Politics, 1918-21.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- ALLEN, RUTH.....*Group, ———, 1920-21.*
New Bedford, Mass. Prepared by St. Timothy's School, Catonsville, Md.
- ANDERSON, ALICE KATHARINE SCROGGIN,
Group, History and Economics and Politics, 1920-21.
Lincoln, Ill. Prepared by Kemper Hall, Kenosha, Wis.; by Tudor Hall, Indianapolis, Ind., and by the Hareum School, Bryn Mawr, Pa.

* Mrs. Lester Wolf.

- ANDERSON, EMILY TREMAINE,
Group, Economics and Politics and Psychology, 1918-21.
 New York City. Prepared by the Brearley School, New York City.
- ANDERSON, MARY GWYN, *Group, French and ———*, 1920-21.
 Galveston, Tex. Prepared by City Public Schools, Galveston.
- ANGELL, MARION WATERHOUSE CASWELL, *Group, ———*, 1920-21.
 Chicago, Ill. Prepared by University High School, Chicago, and by Miss Hall's School, Pittsfield, Mass.
- ARCHBALD, MARGARETTA THOMPSON,
Group, French and Spanish, 1917-21.
 Pottsville, Pa. Prepared by the High School, Pottsville, and by the Shipley School, Bryn Mawr, Pa.
- ARCHBALD, SARA THOMPSON, . . *Group, Mathematics and ———*, 1919-21.
 Pottsville, Pa. Prepared by the High School, Pottsville, and by the Shipley School, Bryn Mawr, Pa.
- ARMSTRONG, ISABEL ALLING, *Group, ———*, 1920-21.
 Greenwich, Conn. Prepared by Miss Spence's School, New York City, and by Miss Masters' School, Dobbs Ferry, New York.
- BAILEY, ELIZA CLARK, . . *Group, Economics and Politics and ———*, 1920-21.
 Harrisburg, Pa. Prepared by the Seiler School, Harrisburg, Pa., and by Abbot Academy, Andover, Mass.
- BAIRD, CORNELIA MARCIA,
Group, History and Economics and Politics, 1918-21.
 Yonkers, N. Y. Prepared by the Brearley School, New York City.
- BALDWIN, HENRIETTA ELIZABETH,
Group, Economics and Politics and Psychology, 1917-21.
 Williamsport, Pa. Prepared by the High School, Williamsport, and by the Misses Kirk's School, Bryn Mawr, Pa. Maria Hopper Sophomore Scholar, 1918-19; Constance Lewis Memorial Scholar, 1920-21.
- BALDWIN, MARY *Group, Spanish and Italian*, 1917-21.
 Garden City, N. Y. Prepared by the Brearley School, New York City.
- BARBER, ELIAZBETH ELLISTON *Group, History and ———*, 1920-21.
 New York City. Prepared by Miss Chapin's School, New York City.
- BARKER, MARGERY TEEGARDEN,
Group, Spanish and ———, 1920, 1920-21.
 Michigan City, Ind. Prepared by the Brearley School, New York City, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BARNES, HELEN WILSON,* *Hearer by Courtesy in History of Art*, 1920-21.
 Bryn Mawr, Pa.
- BARTON, CATHERINE, *Group, French and Spanish*, 1917-21.
 Omaha, Neb. Prepared by the Mary C. Wheeler School, Providence, R. I., and by private tuition
- BATCHELDER, URSULA CHASE,
Group, History and Economics and Politics, 1918-21.
 Faribault, Minn. Prepared by St. Mary's Hall, Faribault.
- BEARDSLEY, RUTH ADELENE,
Group, Economics and Politics and Psychology, 1919-21.
 Pittsburgh, Pa. Prepared by the Peabody High School, Pittsburgh, Pa. Maria Hopper Sophomore Scholar, 1920-21.
- BEAUDRIAS, HÉLÈNE *Group, ———*, 1920-21.
 Yonkers, N. Y. Prepared by the Halsted School, Yonkers, and by the Scarborough School, Beechwood, Scarborough-on-Hudson, N. Y.

* Mrs. James Barnes.

- BEAUDRIAS, ISABELLE, *Group, English and ———*, 1919-21.
Yonkers N. Y. Prepared by the Halsted School, Yonkers.
- BECKWITH, LYDIA LOVE, *Group, French and History*, 1917-21.
Chicago, Ill. Prepared by the Girls' Latin School, Chicago, and by Rosemary Hall, Greenwich, Conn.
- BEGG, FELICE MENEZ, *Group, French and ———*, 1920-21.
London, England. Prepared by Eastern House, Weston-super-mare, England, and by the Roedean School, Brighton, England.
- BENNETT, ELEANOR CUSTIS,
Group, History and Economics and Politics, 1918-21.
Overbrook, Pa. Prepared by the Agnes Irwin School, Philadelphia.
- BENNETT, HELEN ADELAIDE, *Group, French and Spanish*, 1917-21.
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by the Pennsylvania College for Women, Pittsburgh. Pittsburgh Bryn Mawr Club Scholar, 1917-18. Elizabeth S. Shippen Scholar in Foreign Languages, 1920-21.
- BENNETT, LOIS HILTON, *Group, French and Italian*, 1919-21.
Brewster, N. Y. Prepared by the Veltin School, New York City, and by the Baldwin School, Bryn Mawr, Pa.
- BENSBURG, JERE HALDEMAN, *Group, French and Spanish*, 1920-21.
St. Louis, Mo. Prepared by Mary Institute, St. Louis, Mo., Wisconsin High School, Madison, Wis., Hosmer Hall, St. Louis, Mo., and by Miss Wright's School, Bryn Mawr, Pa.
- BICKLEY, CATHERINE ELIZABETH,
Group, Economics and Politics and Philosophy and Psychology, 1917-21.
Philadelphia. Prepared by the Shipley School, Bryn Mawr, Pa.
- BILLSTEIN, FLORENCE WARRINGTON,
Group, Psychology and Physics, 1917-21.
Riderwood, Md. Prepared by the Bryn Mawr School, Baltimore, and by private tuition.
- BINGEMAN, ALICE RUSSELL, *Group, ———*, 1920-21.
Rochester, N. Y. Prepared by Columbia Preparatory School, Rochester, N. Y., and by private tuition.
- BLACKWELL, KATHARINE JOSEPHINE, *Group, ———*, 1920-21.
New York City. Prepared by the Brearley School, New York City.
- BLISS, ELEANOR ALBERT, *Group, Chemistry and Biology*, 1917-21.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BLISS, FRANCES McDOWELL,
Group, History and Economics and Politics, 1918-21.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BLOGG, CHARLOTTE ISABEL, *Group, ———*, 1920-21.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BOLTON, CECILE BALDWIN, *Group, Psychology and Biology*, 1917-21.
Charlottesville, Va. Prepared by St. Anne's School, Charlottesville. Special Scholar, 1919-20.
- BORDEN, BLANCHE BUTLER, *Group, ———*, 1920-21.
Fall River, Mass. Prepared by the Fall River High School, Fall River, Mass., Rosemary Hall, Greenwich, Conn., and by the Mary C. Wheeler School, Providence, R. I.
- BOSWELL, ELEANORE, *Group, Greek and English*, 1917-21.
Philadelphia. Prepared by the High School, Germantown, and by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1917-21, and Charles S. Hinchman Memorial Scholar, 1920-21.
- BOWERS, LUCY KATE,
Group, Economics and Politics and Psychology, 1919-21.
Nashua, N. H. Prepared by the Lincoln School, Providence, R. I., and by the Misses Kirk's School, Bryn Mawr, Pa.

- BRADLEY, MARIAN SARAH, *Group*, ———, 1919-21.
Wellsville, N. Y. Prepared by the High School, Wellsville, N. Y.
- BRAUNS, KATHARINE,
..... *Group, English and Philosophy and Psychology*, 1920-21.
Iron Mountain, Mich. Prepared by Iron Mountain High School, Iron Mountain, Mich.,
and by the Baldwin School, Bryn Mawr, Pa.
- BRIGGS, ELIZABETH HAMILTON *Group*, ———, 1920-21.
Riverdale, N. Y. Prepared by the Horace Mann School, New York City, and by the
Brearley School, New York City.
- BROKAW, MARY VIRGINIA *Group*, ———, 1919-21.
Bound Brook, N. J. Prepared by the Bound Brook High School, Bound Brook, N. J., by
Dana Hall, Wellesley, Mass., and by the Baldwin School, Bryn Mawr Pa.
- BROWN, ETHEL BLAKE,
..... *Group, History and Economics and Politics*, 1918-21.
New York City. Prepared by Miss Chapin's School, New York City.
- BROWN, JANE LOGAN,
..... *Group, Economics and Politics and Philosophy and Psychology*, 1917-21.
Springfield, Ill. Prepared by the High School, Springfield, by Rosemary Hall, Greenwich,
Conn., and by private tuition.
- BRUSH, ELEANOR PEABODY, *Group, English and Italian*, 1918-21.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BUCHANAN, MILDRED HEYWOOD, *Group*, ———, 1920-21.
Philadelphia. Prepared by Central High School, Harrisburg, Pa., and by the Roland
Park Country School, Baltimore, Md.
- BÜHLER, EDITH LOUISE *Group, French and History*, 1919-21.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- BUNCH, LAURA CREASE, *Group, French and* ———, 1919-21.
New York City. Prepared by the Holton Arms School, Washington, D. C.
- BURGES, JANE RUST,
..... *Group, History and Economics and Politics*, 1918-21.
El Paso, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- BURNS, EMILY LONGFELLOW *Group, French and English*, 1918-21.
Brookline, Mass. Prepared by the Winsor School, Brookline.
- BURR, DOROTHY, *Group, Greek and Mathematics*, 1919-21.
Philadelphia. Prepared by Miss Hills' School, Philadelphia, and by private tuition.
- CADOT, LOUISE FONTAINE,
..... *Group, History and Economics and Politics*, 1917-21.
Richmond, Va. Prepared by the Virginia Randolph Ellett School, Richmond. Special
Scholar, 1918-19; Mary E. Stevens Junior Scholar, 1919-20.
- CAMERON, CONSTANCE GUYOT, *Group, French and Spanish*, 1918-21.
Princeton, N. J. Prepared by Miss Fine's School, Princeton. Frances Marion Simpson
Scholar, 1918-21; Chicago Bryn Mawr Club Scholar, 1919-20.
- CAREY, MARGARET CHESTON, *Group*, ———, 1919-21.
Riderwood, Md. Prepared by the Bryn Mawr School, Baltimore, Md. Special Scholar,
1920-21.
- CARSON, GRACE ALLEN, *Group*, ———. 1919-21.
Ridgewood, N. J. Prepared by the High School, Ridgewood, and by the Mary Lyon
School, Swarthmore, Pa.
- CECIL ELIZABETH BARNETT,
..... *Group, Economics and Politics and Psychology*, 1917-21.
Richmond, Va. Prepared by the Virginia Randolph Ellett School, Richmond. Constance
Lewis Memorial Junior Scholar, 1919-20.

- CHESNUT, MARY MACE,.....*Group*, ———, 1919–21.
Baltimore, Md. Prepared by the Roland Park Country School, Baltimore, Md.
- CHESTON, MARY ALICE.....*Group*, ———, 1920–21.
South Orange, N. J. Prepared by the Birmingham School, Birmingham, Pa.
- CHILD, ELIZABETH REYNOLDS.....*Group*, ———, 1919–21.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- CHILDS, FRANCES SERGEANT,.....*Group*, ———, 1919–21.
New York City. Prepared by Miss Chapin's School, New York City.
- CLARKE, BARBARA,.....*Group, French and History*, 1918–21.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- CLEMENT, AGNES RICHARDSON,.....*Group*, ———, 1919–21.
Philadelphia. Prepared by Shady Hill Country Day School, Germantown, and by Spring-
side School, Chestnut Hill, Philadelphia.
- COFFIN, LOIS,.....*Group*, ———, 1920–21.
Winnetka, Ill. Prepared by the Girtton School, Winnetka, Ill., and by Miss Wright's
School, Bryn Mawr, Pa.
- COLEMAN, ISABEL,.....*Group, Italian and History*, 1918–21.
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the
Ethel Walker School, Simsbury, Conn.
- COLLINS, ELEANOR,.....*Group, Mathematics and Physics*, 1917–21.
Purchase, N. Y. Prepared by the Brearley School, New York City.
- COLMAN, CHARLOTTE KEHL,
Group, History and Economics and Politics, 1916–21.
La Crosse, Wis. Prepared by the High School, La Crosse, and by the Mary C. Wheeler
School, Providence, R. I.
- COMPTON, MARGARET STARR,.....*Group, English and French*, 1920–21.
Bellingham, Wash. Prepared by the Fairhaven High School, Bellingham, Wash., and by
Miss Madeira's School, Washington, D. C.
- CONNELLY, MARGARET,.....*Group*, ———, 1920–21.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- CONNER, KATHARINE ATTERBURY,
Group, Economics and Politics and Psychology, 1920–21.
New York City. Prepared by Miss Chapin's School, New York City, and by the Ethel
Walker School, Simsbury, Conn.
- CONSTANT, BEATRICE TALBOT,.....*Group*, ———, 1920–21.
Montclair, N. J. Prepared by the Montclair High School, and by Wykeham Rise, Wash-
ington, Conn.
- COOKE, MARTHA LOVE.....*Group*, ———, 1920–21.
Honolulu, T. H. Prepared by Oahu College, Honolulu, and by Rosemary Hall, Green-
wich, Conn.
- COPE, DOROTHY,.....*Group, Mathematics and* ———, 1920–21.
Redlands, Calif. Prepared by the High School, Redlands.
- COPE, ELIZABETH FRANCIS,
Group, Spanish and Modern History, 1917–21.
Philadelphia. Prepared by Springside, Chestnut Hill, Philadelphia, and by the Westtown
Boarding School, Westtown, Pa.
- CORSE, VIRGINIA,.....*Group*, ———, 1919–21.
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis, and by Rosemary Hall,
Greenwich, Conn.
- COWEN, KATHARINE MUIR.....*Group, English and Psychology*, 1917–21.
Salem, Mass. Prepared by Miss Howe's School, Salem, and by the Misses May's School,
Boston, Mass.

- COYNE, FRANCES PAMELA, . . . *Group, English and History of Art*, 1920-21.
Sackett Harbor, N. Y. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa.
- CROSBY, MARGARET, *Group, French and Modern History*, 1918-21.
Minneapolis, Minn. Prepared by the Northrop Collegiate School, Minneapolis. Bryn Mawr Matriculation Scholar for the Western States, 1918-19.
- CROWELL, ELIZABETH EYRE, . . *Group, Mathematics and Physics*, 1920-21.
Philadelphia. Prepared by the West Philadelphia High School for Girls, Philadelphia.
- DAVIES, EMILY O'NEILL, . . . *Group, History of Art and ———*, 1920-21.
New York City. Prepared by the Brearley School, New York City.
- DESSAU, DOROTHY HELEN,
 Group, History and Economics and Politics, 1918-21.
New York City. Prepared by Miss Luke's School, New York City, and by Miss Howe and Miss Marot's School, Thompson, Conn.
- DILLINGHAM, HELENA AYER, *Group, ———*, 1920-21.
Millburn, N. J. Prepared by Miss Beard's School, Orange, N. J.
- DOM, ANNA, *Group, Economics and Politics and Psychology*, 1918-21.
Greensburg, Pa. Prepared by the High School, Greensburg, and by the Shipley School, Bryn Mawr, Pa.
- DONALDSON, SIDNEY VIRGINIA, . . . *Group, French and Spanish*, 1917-21.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion High School Scholar, 1917-18; Special Scholar, 1918-20; Austin Hull Norris Memorial Scholar, 1920-21.
- DONNELLEY, CLARISSA, *Group, French and Modern History*, 1917-21.
Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest, and by Rosemary Hall, Greenwich, Conn.
- DONNELLEY, ELEANOR,
 Group, Economics and Politics and Geology, 1917-21.
Lake Forest, Ill. Prepared by the Faulkner School, Chicago, and by Rosemary Hall, Greenwich, Conn.
- DONOHUE, ELIZABETH HAVILAND, . . *Group, French and Spanish*, 1918-21.
New Brunswick, N. J. Prepared by the Baldwin School, Bryn Mawr, Pa., and by Dana Hall, Wellesley, Mass.
- DRAKE, GRACE MILES, *Group, English and French*, 1919-21.
Omaha, Neb. Prepared by St. Mary's School, Knoxville, Ill., and by the Misses Kirk's School, Bryn Mawr, Pa.
- DUNBAR, HELEN FLANDERS, *Group, Chemistry and ———*, 1919-21.
Manchester, Vt. Prepared by the Bishop's School, La Jolla, Calif., by the Brearley School, New York City, and by private tuition.
- DUNHAM, MARGARET, *Group, Greek and ———*, 1920-21.
Scarsdale, N. Y. Prepared by the Public School, Scarsdale.
- DUNKAK, MARGUERITE LOUIE, *Group, ———*, 1920-21.
Butte, Mont. Prepared by the Veltin School for Girls, New York City.
- DUNN, MARGARET EBENIA,
 Group, Economics and Politics and Philosophy, 1919-21.
Santa Barbara, Calif. Prepared by the Santa Barbara Girls' School, Santa Barbara, and by Miss Ransom and Miss Bridge's School, Piedmont, Calif.
- EADIE MARIAN, *Group, French and Spanish*, 1917-20, 1921.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.
- ECROYD, MARY HAINES,
 Group, Economics and Politics and Geology, 1918-21.
Newport, R. I. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.

- EHLERS, LOUISE CHARLOTTE, . . . *Group, Spanish and German*, 1918, 1918-21.
Hoboken, N. J. Prepared by the Hoboken Academy.
- ELSTON, KATHRYN MAE, *Group*, ———, 1920-21.
Woodland, Calif. Prepared by the Low and Heywood School, Stamford, Conn.
- ERICSSON, ELIZABETH COLEMAN, *Group*, ———, 1919-21.
Scranton, Pa. Prepared by the Central High School, Scranton.
- ESTES, ELIZABETH WARNER, *Group, Latin and Spanish*, 1920-21.
Nashville, Tenn. Prepared by Miss Madeira's School, Washington, D. C.
- ETTINGER, ELIZABETH ANDERSON, *Group*, ———, 1920-21.
Portland, Ore. Prepared by the Jefferson High School, Portland, and by the Baldwin School, Bryn Mawr, Pa.
- EVANS, EMILY VICTORIA, *Group, English and Psychology*, 1917-21.
Spartansburg, S. C. Prepared by the Gwyn School, Spartansburg, and by the Baldwin School, Bryn Mawr, Pa.
- FANSLER, PRISCILLA HARRIET, *Group*, ———, 1920-21.
Frazer, Pa. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa.
- FARIES, MIRIAM, *Group*, ———, 1920-21.
Chestnut Hill, Philadelphia. Prepared by the Germantown High School, Philadelphia.
- FARRELL, HELEN THOMPSON, *Group, Physics and Chemistry*, 1917-21.
New York City. Prepared by the Brearley School, New York City.
- FENLEY, MARY JOHNSTONE, *Group*, ———, 1920-21.
Louisville, Ky. Prepared by the Ethel Walker School, Simsbury, Conn.
- FERGUSON, DOROTHY ELIZABETH,
 Group, Economics and Politics and Psychology, 1918-21.
Philadelphia. Prepared by the High School, Germantown, Philadelphia.
- FERGUSON, MARJORIE JOSEPHINE, *Group*, ———, 1920-21.
Philadelphia. Prepared by the Germantown High School, Philadelphia.
- FETTE, MARIAN CATHERINE DUBACH, *Group, English and Spanish*, 1917-21.
Hannibal, Mo. Prepared by the High School, Hannibal, and by the Misses Kirk's School, Bryn Mawr, Pa.
- FINCH, EDITH, *Group, English and Italian and Spanish*, 1918-21.
New York City. Prepared by Miss Chapin's School, New York City.
- FISCHER, MARTHA LEWIS, *Group*, ———, 1920-21.
New Haven, Conn. Prepared by Miss Johnstone's School, New Haven, and by the High School, New Haven.
- FISHER, JOSEPHINE McCULLOH,
 Group, History and Economics and Politics, 1918-21.
Melvale, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- FITZ, DELPHINE, *Group, Greek and English*, 1919-21.
Philadelphia. Prepared by the High School for Girls, Philadelphia. Philadelphia City Scholar, 1919-21.
- FITZGERALD, ANNE, *Group*, ———, 1919-21.
Jamaica Plain, Mass. Prepared by the Girls' Latin School, Boston, and by the MacDuffie School, Springfield, Mass.
- FITZGERALD, MARY MILDRED,* *Group*, ———, 1920-21.
Pekin, Ill. Prepared by the High School, Pekin, and by the Shipley School, Bryn Mawr, Pa.

* Mrs. George Barnes.

FLEXNER, JEAN ATHERTON,

Group, History and Economics and Politics, 1917-21.

New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey, and Delaware, 1917-18; Maria L. Eastman Brooke Hall Memorial Scholar and Sheelah Kilroy Memorial Scholar, 1920-21.

FLOYD, OLIVE BEATRICE, *Group, French and Spanish, 1918-21.*

Lincoln, Mass. Prepared by the Misses Allen School, West Newton, Mass.

FOLEY, LOUISE MARIE, *Group, French and Italian, 1919-21.*

Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs, and by private tuition.

FOOT, EVALYN MARYNIA LAWTHOR,

Group, Chemistry and Biology, 1917-21.

Red Wing, Minn. Prepared by the High School, Red Wing, and by the Mary C. Wheeler School, Providence, R. I.

FORD, LESTA, *Group, History and Economics and Politics, 1920-21.*

New York City. Prepared by Miss Chapin's School for Girls, New York City, and by the Ethel Walker School, Simsbury, Conn.

FOUNTAIN, AUDREY ELIZABETH, *Group, English and Italian, 1918-21.*

Scarsdale, N. Y. Prepared by the Public Schools, Scarsdale.

FOUNTAIN, OLIVIA CALDWELL, *Group, ———, 1920-21.*

Scarsdale, N. Y. Prepared by the High School, Scarsdale.

FRASER, ANN CORNING, *Group, ———, 1919-21.*

Morristown, N. J. Prepared by the Brearley School, New York City.

FREEMAN, MARY LOUISE,

Group, History and Economics and Politics, 1920-21.

Terre Haute, Ind. Prepared by Tudor Hall School for Girls, Indianapolis, Ind.

GABEL, ANNE MAY, *Group, Psychology and ———, 1918-21.*

Lancaster, Pa. Prepared by the Stevens High School, Lancaster.

GABELL, ELEANOR, *Group, Latin and French, 1918-21.*

Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City Scholar, 1918-21.

GALLWEY, KATHLEEN, *Group, ———, 1920-21.*

Newport, R. I. Prepared by St. Timothy's School, Catonsville, Md.

GARDNER, DOROTHY CAROLINE, *Group, ———, 1920-21.*

Columbus, O. Prepared by the Columbus School for Girls, Columbus.

GARDNER, KATHARINE LUCRETIA, *Group, Greek and English, 1918-21.*

New York City. Prepared by St. Mary's School, Garden City, L. I., and by Rosemary Hall, Greenwich, Conn.

GARRISON, CLARINDA KIRKHAM, *Group, French and History, 1917-21.*

New York City. Prepared by the Brearley School, New York City.

GARRISON, MARIAN ELIZABETH, . . *Group, Chemistry and Physics, 1918-21.*

Shickshinny, Pa. Prepared by the State Normal School, Bloomsburg, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.

GATES, IRENE, *Group, Chemistry and Biology, 1919-21.*

St. Davids, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

GEORGE, HELEN LILLIAN, *Group, Spanish and ———, 1919-21.*

Richmond, Va. Prepared by the Virginia Randolph Ellett School, Westhampton, Va.

GEYER, RUTH BAKER, *Group, English and ———, 1919-21.*

Middletown, Pa. Prepared by the High School, Middletown, by the Seiler School, Harrisburg, and by the Shipley School, Bryn Mawr, Pa.

- GIST, ESTHER ELIZABETH, . . . *Group, Italian and Spanish*, 1920, 1920-21.
Oak Park, Ill. Prepared by the High School, Oak Park.
- GLASNER, MALVINA DOROTHY,
Group, Economics and Politics and Psychology, 1918-21.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar,
1919-21, and Special Scholar, 1920-21.
- GODDARD, CELESTINE, *Group, Economics and Politics and ———*, 1919-21.
New York City. Prepared by the Brearley School, New York City.
- GODEFROY, ROBERTE, *Group, Physics and Chemistry*, 1920-21.
New York City. Prepared by St. Agatha's School, New York City.
- GODWIN, ELIZABETH DOUGLAS, *Group, Spanish and History*, 1917-21.
Houston, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- GOGGIN, MARY SIMPSON, *Group, English and Spanish*, 1917-21.
El Paso, Tex. Prepared by the High School, El Paso, and by the Shipley School, Bryn
Mawr, Pa.
- GOLDSMITH, KATHERINE PRICE,
Group, History and Economics and Politics, 1919-21.
New York City. Prepared by the Horace Mann School, New York City.
- GOWING, JEAN, *Group, Chemistry and Biology*, 1918-21.
Roxborough, Pa. Prepared by the Ladies' College, Ontario, Canada, and by the German-
town High School, Philadelphia.
- GRACE, VIRGINIA RANDOLPH, *Group, Greek and English*, 1918-21.
New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matricu-
lation Scholar for New York, New Jersey and Delaware, 1918-19.
- GRAY, ELIZABETH JANET GORDON, . . . *Group, Latin and English*, 1919-21.
Philadelphia. Prepared by the Stevens School, Germantown, and by the Germantown
Friends' School, Philadelphia.
- GREGG, JANET, *Group, ———*, 1920-21.
St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- GRIM, LORETTA MAY,
Group, Economics and Politics and Psychology, 1918-21.
Texarkana, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- HALE, ELIZABETH, *Group, ———*, 1920-21.
Yonkers, N. Y. Prepared by the Halsted School, Yonkers.
- HALL, ELIZABETH MCGOWAN, . . . *Group, English and Psychology*, 1918-21.
Kingston, N. Y. Prepared by the Friends' School, New York City, by the High School,
Kingston, N. Y., and by Wykeham Rise, Washington, Conn.
- HAMMOND, MARTHA BONNER, . . . *Group, Physics and Chemistry*, 1920-21.
New York City. Prepared by the Brearley School, New York City.
- HAND, SERENA EVERETT, *Group, French and History*, 1918-21.
New York City. Prepared by the Brearley School, New York City.
- HARRIS, ELBONORE DUBOIS, *Group, French and Modern History*, 1917-21.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HARRISON, FLORENCE LEFTWICH, . . . *Group, English and French*, 1919-21.
Raleigh, N. C. Prepared by Miss Madeira's School, Washington, D. C.
- HAWKINS, DORIS AMBALINE, *Group, English and French*, 1920-21.
Millbourne, Pa. Prepared by the Friends' Central School, Philadelphia.
- HAWKINS, MARY O'NEIL,
Group, Chemistry and Biology, 1915-16, 1917-19, 1920-21.
Denver, Colo. Prepared by the Wolcott School, Denver, by Miss Wright's School, Bryn
Mawr, Pa., and by private tuition.

- HAY, ALICE HOUGHTON,
Group, History and Economics and Politics, 1919-21.
 Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.
- HAY, MARY DOUGLASS,
Group, History and Economics and Politics, 1918-21.
 Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.
- HEALEA, EDITH, *Group, Mathematics and Physics, 1918-21.*
 New Philadelphia, O. Prepared by the High School, New Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- HENDERSON, ELIZABETH KISSAM, *Group, Spanish and History, 1920-21.*
 Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- HENNING, JULIA DUKE, *Group, French and Spanish, 1919-21.*
 Louisville, Ky. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- HILL, HELEN DOROTHY, *Group, Psychology and Physics, 1917-21.*
 Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest. Elizabeth S. Shippen Scholar in Science, 1920-21.
- HOBODY, ELIZABETH BELLE, *Group, English and French, 1918-21.*
 Honolulu, T. H. Prepared by Punahou Academy, Honolulu.
- HOLLINGSWORTH, AGNES, *Group, Mathematics and Physics, 1917-21.*
 Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Special Scholar, 1918-21.
- HOLMES, ELIZABETH DOUGHERTY, *Group, ———, 1920-21,*
 Hernando, Miss. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- HOLT, MARIAN HUBBARD,
Group, History and Economics and Politics, 1919-21.
 Chicago, Ill. Prepared by the Latin School, Chicago, by St. Timothy's School, Catonsville, Md., and by Miss Spence's School, New York City.
- HOWARD, FRANCES REBECCA, *Group, French and Spanish, 1917-21.*
 Louisville, Ky. Prepared by the Semple Collegiate School, and by the Louisville Collegiate School, Louisville.
- HOWARD, OCTAVIA DUVALL, *Group, English and Psychology, 1918-21.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HOWE, MARTHA ELIZABETH, *Group, Chemistry and Biology, 1920-21.*
 Fulton, N. Y. Prepared by the Shipley School, Bryn Mawr, Pa.
- HOWELL, AUGUSTA APPLETON,
Group, Economics and Politics and ———, 1919-21.
 Newark, N. J. Prepared by "Westover", Middlebury, Conn., and by Wykeham Rise, Washington, Conn.
- HOWITZ, LOUISE WILSON, *Group, ———, 1920-21.*
 Scranton, Pa. Prepared by the Central High School, Scranton.
- HOYT, HELEN PHELPS,
Group, Economics and Politics, and ———, 1919-21.
 New York City. Prepared by the Brearley School, New York City.
- HUGHES, FRANCES MAXTON, *Group, Greek and English, 1919-21.*
 Philadelphia. Prepared by the High School, Germantown, Philadelphia. Trustees' Scholar, 1919-20.
- HUMPHREYS, HAROLDINE, *Group, ———, 1919-21.*
 New York City. Prepared by the Brearley School, New York City.

IRESON, LILLEY JANE,

Group, Economics and Politics and Psychology, 1917-21.

Boston, Mass. Prepared by the Girls' Latin School, Boston, and by Miss Wright's School, Bryn Mawr, Pa.

ISHAM, FRANCES PIERPONT, *Group, Chemistry and Biology, 1920-21.*

Manchester, Vt. Prepared by Miss Chapin's School, New York City.

IVES, ELIZABETH, *Group, ———, 1920-21.*

Brewster, N. Y. Prepared by the Brearley School, New York City, the Misses Kirk's School, Bryn Mawr, Pa., and by the Cambridge Haskell School, Cambridge, Mass.

JAMES, HELEN MIRIAM,

Group, Economics and Politics and Psychology, 1917-21.

Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs, and by Miss Ethel Walker's School, Lakewood, N. J.

JAY, ELLEN, *Group, History and Economics and Politics, 1917-21.*

New York City. Prepared by the Brearley School, New York City.

JAY, NANCY, *Group, History and Economics and Politics, 1918-21.*

New York City. Prepared by the Brearley School, New York City, and by the Ethel Walker School, Simsbury, Conn.

JENNINGS, HENRIETTA COOPER,

Group, History and Economics and Politics, 1918-21.

Danville, Pa. Prepared by the High School, Williamsport, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa. Maria Hopper Sophomore Scholar, 1919-20; Mary E. Stevens Junior Scholar, 1920-21.

JOHNSTON, KATHLEEN FLORENCE,

Group, English and Philosophy and Psychology, 1917-21.

Philadelphia. Prepared by Miss Hills' School, Philadelphia.

JOY, VERA IRENE, *Group, ———, 1920-21.*

Centralia, Ill. Prepared by the Township High School, Centralia. University of Illinois, 1919-20.

KALBFLEISCH, KATHRYN MARY . . . *Group, Chemistry and ———, 1920-21.*

Tiffin, O. Prepared by the Tiffin High School, Tiffin, O., and by the Laurel School, Cleveland, O.

KALES, ELIZABETH, *Group, Chemistry and Biology, 1917-21.*

Winnetka, Ill. Prepared by the Girton School, Winnetka, and by Miss Ethel Walker's School, Lakewood, N. J.

KARNS, RUTH LOUISE,

Group, Economics and Politics and Psychology, 1917-21.

Benton, Pa. Prepared by Wilkes Barre Institute, Wilkes Barre, Pa. Maria Hopper Sophomore Scholar, 1918-19; Minnie Murdock Kendrick Memorial Scholar, 1919-20; Special Scholar, 1920-21.

KELLOGG, ELIZABETH HOSMER,

Group, Economics and Politics and Philosophy and Psychology, 1917-21.

Waterbury, Conn. Prepared by Rosemary Hall, Greenwich, Conn.

KELLOGG, EMELINE WALCOTT,

Group, History and Economics and Politics, 1919-21.

New York Mills, N. Y. Prepared by the Ethel Walker School, Simsbury, Conn.

KELLY, BOWER, *Group, Mathematics and Physics, 1917-21.*

Bryn Mawr, Pa. Prepared by the Faulkner School, Chicago, Ill., and by the Misses Kirk's School, Bryn Mawr, Pa.

KENNARD, MARGARET ALICE, . . . *Group, Chemistry and Biology, 1918-21.*

Newton Centre, Mass. Prepared by the Winsor School, Brookline, Mass.

KILROY, BANBAH, *Group, ———, 1919-21.*

Springfield, Mass. Prepared by the Central High School, Springfield,

- KIMBROUGH, EMILY,
Group, Economics and Politics and Philosophy, 1917-21.
 Chicago, Ill. Prepared by the Faulkner School, Chicago, and by Miss Wright's School,
 Bryn Mawr, Pa.
- KIRK, MARY LOUISE,.....*Group, French and ———, 1920-21.*
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- KIRKBRIDE, MABEL STORY,.....*Group, English and Italian, 1918-21.*
 New York City. Prepared by the Veltin School, New York City.
- KIRKLAND, MARY PORTER,.....*Group, French and Spanish, 1917-21.*
 Houston, Tex. Prepared by Miss Wood's School, Houston, and by the Shipley School,
 Bryn Mawr, Pa.
- KIRKPATRICK, ESTHER FRASER,.....*Group, French and ———, 1919-21.*
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdoch
 Kendrick Memorial Scholar, 1919-21.
- KLENKE, DOROTHY AMELIA,.....*Group, Chemistry and Biology, 1917-21.*
 New York City. Prepared by Miss Spence's School, New York City.
- KNIFFEN, FLORENCE ELIZABETH,
Group, History and Economics and Politics, 1917-21.
 Holly Oak, Del. Prepared by the High School, Wilmington, Del., and by the Friends'
 School, Wilmington.
- KNOX, FLORENCE MADGE,.....*Group, French and History, 1919-21.*
 New York City. Prepared by the Ethel Walker School, Simsbury, Conn.
- KNOX, FRANCES MAY.....*Group, French and Spanish, 1919-21.*
 Salt Lake City, Utah. Prepared by Miss Ransom and Miss Bridges' School, Piedmont,
 Calif., by Oaksmere, Mamaroneck, N. Y., and by Rosemary Hall, Greenwich, Conn.
- KRECH, MARGARET ALWYN,..*Group, French and History of Art, 1918-21.*
 New York City. Prepared by the Brearley School, New York City.
- LABEL, FRANCES,.....*Group, Mathematics and Physics, 1918-21.*
 Philadelphia. Prepared by the Girls' High School, West Philadelphia. Charles E. Ellis
 Scholar, 1918-21.
- LADD, MARGARET RHOADS,.....*Group, Greek and Psychology, 1917-21.*
 Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr. Bryn Mawr Matricula-
 tion Scholar for Pennsylvania and the Southern States, 1917-18.
- LATTIMER, EVA JANE,
Group, History and Economics and Politics, 1917-21.
 Columbus, O. Prepared by the Columbus School for Girls.
- LAUER, IDA FELICIA,.....*Group, English and Philosophy, 1917-21.*
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar,
 1917-19; Special Scholar, 1919-20.
- LAWRENCE, JANET,
Group, Economics and Politics and Psychology, 1920-21.
 Chicago, Ill. Prepared by Kemper Hall, Kenosha, Wis.
- LAWRENCE, MARION,.....*Group, History and ———, 1919-21.*
 Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, Maria Hopper Sopho-
 more Scholar, 1920-21.
- LEEWITZ, SUZANNE ELISE,.....*Group, ———, 1920-21.*
 New York City. Prepared by the Veltin School, New York City.
- LEMON, IRENE ELIZABETH,.....*Group, ———, 1919-21.*
 Yonkers, N. Y. Prepared by the High School, Yonkers, and by the Halsted School,
 Yonkers.

- LEWIS, CONSTANCE DOROTHY,.....*Group*, ———, 1920-21.
Staten Island, N. Y. Prepared by the Curtis High School, New Brighton, Staten Island,
and by the Capen School, Northampton, Mass.
- LIDDELL, VINTON, *Group, Economics and Politics and Psychology*, 1918-21.
Charlotte, N. C. Prepared by the Shipley School, Bryn Mawr, Pa.
- LING, BARBARA HYDE,.....*Group, English and French*, 1920-21.
Tarrytown-on-Hudson, N. Y. Prepared by the Knox School, Tarrytown.
- LITCHFIELD, DOROTHY HALE, *Group, English and History of Art*, 1920-21.
Narberth, Pa. Prepared by the Friends' Central School, Philadelphia.
- LITTLE, ALICE ELIZABETH,.....*Group*, ———, 1920-21.
Evanston, Ill. Prepared by Rosemary Hall, Greenwich, Conn.
- LIU, FUNG KEI,.....*Group, Physics and Chemistry*, 1918-21.
Canton, China. Prepared by Canton Christian College and by the Shipley School, Bryn
Mawr, Pa. Chinese Scholar, 1918-21.
- LONGFELLOW, JULIETTE DELAFIELD,.....*Group*, ———, 1920-21.
New York City. Prepared by Miss Chapin's School, New York City.
- LUBIN, DOROTHY SOPHIE,.....*Group, Chemistry and Biology*, 1917-21.
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by Rosemary Hall, Green-
wich, Conn.
- LUBIN, GRACE,.....*Group, Physics and Chemistry*, 1917-21.
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by Wykeham Rise, Wash-
ington, Conn.
- LUETKEMEYER, ELIZABETH HELEN,
Group, English and Philosophy and Psychology, 1916-21.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- MACDONALD, MARY HELEN, . . . *Group, Mathematics and Physics*, 1917-21.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion
High School Scholar, 1917-18; James E. Rhoads Sophomore Scholar, 1918-19; Anna
Hallowell Memorial Scholar, 1919-20; Mary Ann Longstreth Senior Scholar, 1920-21.
- MAGINNISS, IRENE EMMA,
Group, English and Italian and Spanish, 1917-21.
Philadelphia. Prepared by the High School, Upper Darby, Pa. Special Scholar, 1919-20;
Anna M. Powers Senior Scholar, 1920-21.
- MARBURY, SILVINE VON DORSNER,
Group, History and Economics and Politics, 1917-21.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MARTIN, DOROTHY JEAN,.....*Group, Mathematics and Physics*, 1919-21.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Special
Scholar, 1920-21.
- MARTIN, FLORENCE HAMILTON,.....*Group*, ———, 1919-21.
San Rafael, Calif. Prepared by Miss Ransom and Miss Bridges' School, Piedmont, Calif.
- MATHEWS, ELEANOR BOWEN,.....*Group*, ———, 1919-21.
New York City. Prepared by the Brearley School, New York City.
- MATTESON, ELIZABETH,.....*Group, Chemistry and Biology*, 1917-21.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- MATTESON, FRANCES,.....*Group, French and Spanish*, 1919-21.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- MCANENY, RUTH PUTNAM,.....*Group*, ———, 1919-21.
New York City. Prepared by the Brearley School, New York City, and by the Breamestead
School, Bolton Landing, N. Y.

- MOLITOR, ELSA LEILA, *Group, English and Psychology, 1920-21.*
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, and by the Germantown High School, Germantown, Philadelphia. Philadelphia City Scholar and Pennsylvania State Scholar, 1920-21.
- MORSE, SELMA, *Group, ———, 1921.*
New York City. Prepared by private tuition.
- MORRISON, MIRIAM GLADYS, . . *Group, Italian and History of Art, 1917-21.*
Marquette, Mich. Prepared by Rosemary Hall, Greenwich, Conn.
- MORSMAN, MARY, *Group, History and ———, 1919-21.*
Omaha, Neb. Prepared by Brownell Hall, Omaha, and by St. Timothy's School, Catonsville, Md.
- MORTON, MARGARET VILLIERS, . . *Group, Chemistry and Biology, 1917-21.*
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- MOSLE, ELIZABETH BOARDMAN, *Group, ———, 1920-21.*
New York City. Prepared by Miss Chapin's School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- MOTTU, CATHARINE CHANDLEE, *Group, French and History, 1917-21.*
Baltimore, Md. Prepared by the Friends' School, Baltimore, and by the Bryn Mawr School, Baltimore.
- MURRAY, HELEN IRVIN, *Group, English and Philosophy, 1917-21.*
Binghampton, N. Y. Prepared by the Lady Jane Grey School, Binghampton, and by Resthaven, Mendon, Mass.
- MURRAY, ROBERTA, *Group, ———, 1920-21.*
Chappaqua, N. Y. Prepared by the Pleasantville High School, Pleasantville, N. Y., and by the Shipley School, Bryn Mawr, Pa. Foundation Scholar, 1920-21.
- NEEL, RAYMONDE GERTRUDE ELEONORE,
Group, Economics and Politics and Psychology, 1918-21.
Millburn, N. J. Prepared by Short Hills School, Short Hills, N. J., and by Miss Beard's School, Orange, N. J.
- NEILSON, KATHARINE BISHOP, *Group, ———, 1920-21.*
Darien, Conn. Prepared by the Low and Heywood School, Stamford, Conn.
- NEVILLE, ESTELLE CARDWELL, *Group, English and ———, 1920-21.*
Colonia, N. J. Prepared by the Horace Mann School, New York City, and by the Shipley School, Bryn Mawr, Pa.
- NEWBOLD, ELIZABETH MUNSON, . . *Group, Chemistry and Biology, 1919-21.*
Philadelphia. Prepared by the High School, Asbury Park, N. J., and by the Girls' High School, West Philadelphia. Philadelphia City Scholar, 1919-21, and Maria Hopper Sophomore Scholar, 1920-21.
- NEWELL, ELEANOR KING,
Group, History and Economics and Politics, 1917-21.
Nyon, Switzerland. Prepared by Ecole Vinet, Lausanne, Switzerland, by Milton Academy, Milton, Mass., by St. Timothy's School, Catonsville, Md., by Miss Madeira's School, Washington, D. C.
- NICOLL, ALICE MARY,
Group, Economics and Politics and Psychology, 1918-21.
New York City. Prepared by Miss Chapin's School, New York City.
- NOBLE, MARY ANNGENETTE, *Group, French and Spanish, 1917-21.*
Westfield, Mass. Prepared by the High School, Westfield. Charles S. Hinchman Memorial Scholar, 1919-20.
- NORCROSS, PHOEBE WRENN,
Group, History and Economics and Politics, 1918-21.
Chicago, Ill. Prepared by the Latin School, Chicago, and by St. Timothy's School, Catonsville, Md.

ORBISON, AGNES MORRIS, *Group, Psychology and Biology*, 1918-21.
Overbrook, Pa. Prepared by Northfield Seminary, East Northfield, Mass., and by private tuition.

OSTROFF, PASSYA EUNIA,
Group, Economics and Politics and Philosophy and Psychology, 1917-21.
Philadelphia. Prepared by the William Penn High School, and by the Girls' High School, Philadelphia. L. C. B. Saul Memorial Scholar, 1917-21; Thomas H. Powers Memorial Scholar, 1918-19; Special Scholar, 1919-20; Thomas H. Powers Senior Scholar, 1920-21.

PAGE, EVELYN, *Group*, ———, 1919-21.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.

PALACHE, ELIZA JEANNETTE, *Group, Greek and English*, 1918-21.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, by the Cambridge School, Cambridge, and by the Winsor School, Brookline, Mass.

PALACHE, MARY, *Group*, ———, 1920-21.
Cambridge, Mass. Prepared by the Brimmer School, Boston, Mass.

PALMER, JEAN TILFORD, *Group*, ———, 1920-21.
Omaha, Nebr. Prepared by St. Timothy's School, Catonsville, Md.

PARSONS, ELSIE, *Group*, ———, 1920-21.
New York City. Prepared by the Brearley School, New York City.

PEARCE, ROSALIND, *Group*, ———, 1920-21.
Gloucester, Mass. Prepared by the High School, Gloucester, and by the Cambridge-Haskell School, Cambridge, Mass.

PEARSON, ELIZABETH THOM, *Group*, ———, 1920-21.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia.

PEEK, KATHERINE MARY,
Group, History and Economics and Politics, 1918-21.
Moline, Ill. Prepared by St. Katharine's School, Davenport, Ia., and by the National Cathedral School, Washington, D. C.

PELL, ORLIE ANNA HAGGERTY,
Group, Economics and Politics and Philosophy, 1918-21.
New York City. Prepared by St. Timothy's School, Catonsville, Md.

PEYTON, JULIA COOKE, *Group, Latin and French*, 1917-21.
Charles Town, W. Va. Prepared by the High School, Charles Town, and by St. Hilda's Hall, Charles Town.

PHARO, ELIZABETH WILSON, *Group, French and History*, 1918-21.
Haverford, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.

PHILBRICK, ELIZABETH VAN VALZAH, *Group*, ———, 1919-21.
New York City. Prepared by the High School, Montclair, N. J., by the Brearley School, New York City, and by private tuition.

PHILIPS, ALISON, *Group*, ———, 1920-21.
Lawrence, Long Island, N. Y. Prepared by Miss Chapin's School for Girls, New York City.

PLATT, MARION LOUISE,
Group, History and Economics and Politics, 1917-21.
Manitowoc, Wis. Prepared by the High School, Manitowoc, and by private tuition. University of Wisconsin, 1915-16.

PLATT, MARY PERINE, *Group, Psychology and* ———, 1920-21.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, Md.

PORTER, NANCY FOSTER, *Group, Chemistry and Biology*, 1917-21.
Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill.

- PRATT, ANNA,.....*Group*, ———, 1920-21.
Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- PRATT, HARRIET BALSDON,.....*Group*, ———, 1920, 1920-21.
Glen Cove, N. Y. Prepared by Miss Chapin's School, New York City.
- PREWITT, JULIA KATHERINE,.....*Group*, ———, 1920-21.
Winchester, Ky. Prepared by Hamilton College, Lexington, Ky., and by the Shipley School, Bryn Mawr, Pa.
- PREWITT, MARTHA RODES ESTILL,
Group, French and Spanish, 1916-17, 1920-21.
Winchester, Ky. Prepared by Hamilton College, Lexington, Ky., and by Miss Capen's School, Northampton, Mass.
- PRICE, ELIZABETH WINSTON,.....*Group*, ———, 1920-21.
New York City. Prepared by Miss Chapin's School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- PRICE, HARRIET DYER,.....*Group*, ———, 1919-21.
New York City. Prepared by Miss Chapin's School, New York City, and by St. Timothy's School, Catonsville, Md.
- PROKOSCH, GERTRUDE,.....*Group*, ———, 1920-21.
Bryn Mawr, Pa. Prepared by the Austin High School, Austin, Tex. University of Texas, and University of Chicago.
- RAHT, KATHARINE,.....*Group*, ———, 1919-21.
Chattanooga, Tenn. Prepared by the Girls' Preparatory School, Chattanooga, and by the Shipley School, Bryn Mawr, Pa.
- RALEY, ROSAMOND DAY,.....*Group*, ———, 1919-21.
Glens Falls, N. Y. Prepared by the High School, Glens Falls, and by private tuition.
- RAWSON, MARION,
Group, Economics and Politics and Psychology, 1918-21.
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati, and by Wykeham Rise, Washington, Conn.
- REINHARDT, LOUISE,.....*Group, French and History*, 1917-21.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- REQUA, ELOISE GALLUP,.....*Group*, ———, 1920-21.
Chicago, Ill. Prepared by the Chicago Latin School for Girls, Chicago, and by the Mary C. Wheeler School, Providence, R. I.
- RHETT, CATHERINE TYLER,
Group, Economics and Politics and Psychology, 1918-21.
Garden City, L. I., N. Y. Prepared by the Cathedral School of St. Mary, Garden City.
- RHOADS, ESTHER LOWREY,.....*Group, French and Italian*, 1919-21.
Bala, Pa. Prepared by the Agnes Irwin School, Philadelphia.
- RHOADS, JR., GRACE EVANS,....*Group, English and Psychology*, 1918-21.
Moorestown, N. J. Prepared by the Friends' Academy, Moorestown, and by Westtown School, Westtown, Pa.
- RICE, HELEN,
Group, Economics and Politics and Philosophy and Psychology, 1919-21.
New York City. Prepared by Miss Chapin's School, New York City.
- RICHARDS, JANE REBECCA,.....*Group, French and History*, 1919-21.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington, and by Rosemary Hall, Greenwich, Conn.
- RITTENHOUSE, MELLA DENZLER,
Group, Economics and Politics and ———, 1920-21.
Broomall, Pa. Prepared by the West Philadelphia High School, Philadelphia, and by the Misses Kirk's School, Bryn Mawr, Pa.

- ROBBINS, ELIZABETH, *Group*, ———, 1920-21.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Merion High School Scholar, 1920-21.
- RODNEY, MARY EMILY, *Group*, ———, 1920-21.
Harrisburg, Pa. Prepared by the High School, Harrisburg.
- ROGERS, EVELYN, *Group, Chemistry and Biology*, 1918-21.
New York City. Prepared by the Brearley School, New York City.
- ROSENKOFF, FRED A. FRANCES, *Group, Latin and French*, 1920-21.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City Scholar, 1920-21.
- RÜBEL, HELEN FRANCES, *Group, Philosophy and Psychology*, 1917-21.
New York City. Prepared by the Brearley School, New York City, and by private tuition.
- RUSSELL, MARIAN, *Group*, ———, 1920-21.
Ashland, Ky. Prepared by the Shipley School, Bryn Mawr, Pa.
- RUPERT, ANNA SWIFT, *Group, French and History of Art*, 1918-21.
Marshallton, Del. Prepared by the Misses Hebb's School, Wilmington, Del.
- RUST, ELIZABETH FITZHUGH, *Group, Psychology and Physics*, 1920-21.
Pittsburgh, Pa. Prepared by Miss Shearer's School, Pittsburgh, and by Rosemary Hall, Greenwich, Conn.
- SANFORD, LOUISE MOTT, *Group, English and History of Art*, 1920-21.
New York City. Prepared by the Brearley School, New York City.
- SAUNDERS, SILVIA, *Group*, ———, 1920-21.
Clinton, N. Y. Prepared by the Winsor School, Boston, Mass., and by College Hill School, Clinton, N. Y.
- SCHIFF, DOROTHY, *Group, Philosophy and History of Art*, 1920-21.
New York City. Prepared by the Brearley School, New York City.
- SCHWARZ, JOANNA MILDRED, *Group, History and* ———, 1919-21.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- SCOTT, ELIZABETH CLUETT, *Group, French and Italian*, 1920, 1920-21.
Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill., by the Ethel Walker School, Simsbury, Conn., and by private tuition.
- SCRIBNER, HARRIET MARIE, *Group, English and French*, 1919-21.
Cornwall-on-Hudson, N. Y. Prepared by the Brearley School, New York City.
- SELLIGMAN, FRIEDA, *Group*, ———, 1919-21.
Louisville, Ky. Prepared by the High School, Louisville, by the Louisville Collegiate School, and by the Girton School, Winnetka, Ill.
- SHARPE, PAULINE GARDNER, *Group*, ———, 1920-21.
Atlantic City, N. J. Prepared by the High School, Atlantic City.
- SHEPPARD, EUGENIA BENBOW, *Group, French and* ———, 1917-21.
Columbus, O. Prepared by the Columbus School for Girls. Bryn Mawr Matriculation Scholar for the Western States, 1917-18.
- SHIRAS, ANNE McDOWELL, *Group*, ———, 1920-21.
Pittsburgh, Pa. Prepared by the Ethel Walker School Simsbury, Conn., and by private tuition. New England States Matriculation Scholar, 1920-21.
- SHOEMAKER, ELEANOR HOOVEN, *Group, Economics and Politics and Psychology*, 1917-21.
Norristown, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- SHUMWAY, ADELAIDE KATHERINE, *Group, English and French*, 1919-21.
Bryn Mawr, Pa. Prepared by Miss Wright's School, Bryn Mawr. Frances Marion Simpson Scholar, 1919-21.

- SIMKHOVITCH, HELENA KINGSBURY, *Group*, ———, 1920-21.
New York City. Prepared by the Hartridge School, Plainfield, N. J.
- SMITH, ALICE POWELL, *Group*, ———, 1919-21.
Stamford, Conn. Prepared by the Low and Heywood School, Stamford, and by the Baldwin School, Bryn Mawr, Pa.
- SMITH, MABEL WILES, *Group, Greek and Psychology*, 1917-21.
Westfield, Mass. Prepared by the High School, Westfield, and by the Baldwin School, Bryn Mawr, Pa.
- SMITH, MARGARET VAUGHAN, *Group, French and* ———, 1920-21.
Philadelphia. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa., and by the West Philadelphia Girls' High School. Philadelphia City Scholar, 1920-21.
- SMITH, PRUE DURANT,
Group, Economics and Politics and Psychology, 1918-21.
Brooklyn, N. Y. Prepared by the Packer Collegiate Institute, Brooklyn, and by the Mary C. Wheeler School, Providence, R. I.
- SPEER, MARGARET BAILEY,
Group, History and Economics and Politics, 1918-21.
Englewood, N. J. Prepared by the Dwight School for Girls, Englewood, and by Abbot Academy, Andover, Mass.
- SPINELLI, BEATRICE NORAH, *Group, Latin nad English*, 1917-21.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia Girls' High School Trustees' Scholar, 1917-20; James E. Rhoads Sophomore Scholar, 1918-19; James E. Rhoads Junior Scholar, 1919-20; Trustees' Scholar, 1920-21.
- SPURNEY, JEAN, . . . *Group, French and Modern History*, 1917-20, 1920-21.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- STEVENS, HARRIET LYMAN, *Group, Chemistry and Biology*, 1918-21.
Lowell, Mass. Prepared by Rogers Hall, Lowell.
- STEVENSON, EMILY DOROTHY,
Group, History and Economics and Politics, 1918-21.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1919-21; Anna Hallowell Junior Scholar, 1920-21.
- STEWART, FRANCES DOROTHY, *Group, Greek and English*, 1919-21.
New York City. Prepared by the Brearley School, New York City.
- STILES, KATHERINE, . . *Group, History and Economics and Politics*, 1918-21.
Fitchburg, Mass. Prepared by the Public Schools, Fitchburg, and by Wykeham Rise, Washington, Conn.
- STONE, HELEN HARRIETTE McCALMONT,
Group, Physics and Chemistry, 1917-21.
Kalamazoo, Mich. Prepared by the Girton School, Winnetka, Ill., and by the Shipley School, Bryn Mawr, Pa.
- STRAUSS, KATHARINE LORD, *Group*, ———, 1919-21.
New York City. Prepared by the Brearley School, New York City.
- SULLIVAN, ELINOR LOOMIS, *Group*, ———, 1920-21.
New York City. Prepared by the Brearley School, New York City.
- TATHAM, REBECCA, *Group, History and History of Art*, 1920-21.
Katonah, N. Y. Prepared by the Brearley School, New York City.
- TAYLOR, ANN RICHARDS,
Group, History and Economics and Politics, 1917-21.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- TAYLOR, BARBARA, *Group*, ———, 1920-21.
Washington, D. C. Prepared by Miss Madeira's School, Washington, and by Miss Wright's School, Bryn Mawr, Pa.

- TAYLOR, ELIZABETH PREWITT,
Group, History and Economics and Politics, 1917-21.
Little Rock, Ark. Prepared by the High School, Little Rock, and by Miss Wright's School,
Bryn Mawr, Pa.
- TAYLOR, MARGARET WOOD,
Group, History and Economics and Politics, 1917-21.
Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- TEFFT, ETHEL GRISWOLD,.....*Group, ———, 1920-21.*
New York City. Prepared by Miss Spence's School, New York City.
- THOMPSON, MARIA LLOYD,.....*Group, Latin and Spanish, 1917-21.*
Norfolk, Va. Prepared by the Maury High School, Norfolk, and by the Misses Kirk's
School, Bryn Mawr, Pa. Special Scholar, 1920-21.
- THURLOW, SYLVA,.....*Group, Chemistry and Biology, 1918-21.*
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia City
Scholar, 1918-21; James E. Rhoads Junior Scholar, and Special Scholar, 1920-21.
- TJADER, MARGUERITE THORNE,.....*Group, ———, 1920-21.*
Darien, Conn. Prepared by the Misses Masters' School, Dobbs Ferry, N. Y., and by Miss
Spence's School, New York City.
- TROTTER, GRACE,....*Group, History and Economics and Politics, 1917-21.*
Lookout Mountain, Tenn. Prepared by the Girls' Preparatory School, Chattanooga,
Tenn.
- TUBBY, RUTH PECKHAM,.....*Group, ———, 1920-21.*
Westfield, N. J. Prepared by the Hartridge School, Plainfield, N. J. Frances Marion
Simpson Scholar, 1920-21.
- TUCKER, MARTHA ELIZABETH RANDOLPH,
Group, History and ———, 1918-21.
New York City. Prepared by Institute Tisé, New York City, and by private tuition.
- TUTTLE, ELIZABETH NORRIS,.....*Group, ———, 1920-21.*
Bryn Mawr, Pa. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa.
- TYLER, MARGARET,.....*Group, Spanish and History, 1918-21.*
Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia,
and by Springside, Chestnut Hill
- VAN BIBBER, KATHARINE,.....*Group, Mathematics and ———, 1920-21.*
Bel Air, Md. Prepared by the Bryn Mawr School, Baltimore, Md. Pennsylvania and
Southern States Matriculation Scholar and Bryn Mawr School Scholar, 1920-21.
- VINCENT, ELIZABETH,.....*Group, ———, 1919-21.*
New York City. Prepared by Northrop Collegiate School, Minneapolis, Minn., and by
Rosemary Hall, Greenwich, Conn.
- VON HOFSTEN, MARY LOUISE,.....*Group, History and ———, 1919-21.*
Winnetka, Ill. Prepared by the Girton School, Winnetka.
- VOORHEES, MILDRED ALICE,.....*Group, English and Italian, 1918-21.*
New York City. Prepared by the Brearley School, New York City.
- WALKER, HELEN BANCROFT,.....*Group, ———, 1920-21.*
Andover, Mass. Prepared by Abbott Academy, Andover.
- WALKER, KATHARINE,
Group, Economics and Politics and Psychology, 1917-21.
Brookline, Mass. Prepared by Miss Winsor's School, Longwood, Mass., by Miss Wright's
School, Bryn Mawr, Pa., and by private tuition.
- WALLACE, IRENE AMBLER,.....*Group, ———, 1920-21.*
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.

- WARBURG, BETTINA,.....*Group, Psychology and Biology*, 1917-21.
Washington, D. C. Prepared by the Brearley School, New York City, and by Miss Madeira's School, Washington, D. C.
- WARD, JULIA,.....*Group, ———*, 1919-21.
Washington, D. C. Prepared by Miss Madeira's School, Washington.
- WARD, KATHARINE LOUISE,.....*Group, Greek and English*, 1917-21.
Washington, D. C. Prepared by Miss Madeira's School, Washington, D. C. Sheelah Kilroy Memorial Scholar, 1920-21.
- WARDER, AMA JUNE,.....*Group, English and Spanish*, 1918-21.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia.
- WASHBURN, SIDNEY,..*Group, History and Economics and Politics*, 1917-21.
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis.
- WEISER, CHARLOTTE MARSH,.....*Group, Physics and ———*, 1920-21.
Fargo, N. D. Prepared by Rosemary Hall, Greenwich, Conn.
- WELLS, DOROTHY JANE,.....*Group, French and History*, 1918-21.
Bethlehem, Pa. Prepared by Dana Hall, Wellesley, Mass., and by the Misses Kirk's School, Bryn Mawr, Pa.
- WEST, ELINOR,..*Group, Economics and Politics and Psychology*, 1917-21.
Wynnewood, Pa. Prepared by the Shipley School, Bryn Mawr, Pa., and by Miss Ethel Walker's School, Lakewood, N. J.
- WEST, MARY LAIDLIE DEY,.....*Group, ———*, 1920-21.
New York City. Prepared by Miss Spence's School, New York City.
- WESTON, AILEEN,..*Group, History and Economics and Politics*, 1917-21.
New York City. Prepared by Miss Chapin's School, New York City, and by Rosemary Hall, Greenwich, Conn.
- WHITE, MARY LOUISE,.....*Group, History of Art and ———*, 1920-21.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia, and by the Westtown School, Westtown, Pa.
- WHITTIER, ALICE AUGUSTA SKOLFIELD,
Group, Chemistry and Biology, 1917-21.
Brunswick, Me. Prepared by the High School, Brunswick.
- WICKES, CATHERINE OTTOLIE YOUNG,.....*Group, ———*, 1920-21.
Brooklandville, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- WIESMAN, MARGARET ISOBEL,
Group, Economics and Politics and Psychology, 1917-21.
Clinton, Mass. Prepared by the High School, Clinton, and by private tuition.
- WILCOX, MARIE FARNSWORTH,..*Group, Psychology and ———*, 1918-21.
Englewood, N. J. Prepared by the Dwight School, Englewood, and by the Bennett School, Millbrook, N. Y.
- WILLIAMS, ELIZABETH,
Group, History and Economics and Politics, 1918-21.
Wilkes Barre, Pa. Prepared by Wilkes Barre Institute.
- WILLIAMS, THELMA GILLETTE,
Group, Economics and Politics and Psychology, 1917-21.
Olean, N. Y. Prepared by the High School, Olean, and by the Baldwin School, Bryn Mawr, Pa.
- WILSON, HELEN VAN PELT,.....*Group, ———*, 1919-21.
Moorestown, N. J. Prepared by the Shipley School, Bryn Mawr, Pa.
- WILSON, LOUISE,..*Group, Economics and Politics and Psychology*, 1917-21.
Westmont, P. Q., Canada. Prepared by Trafalgar Institute, Montreal, and by the Baldwin School, Bryn Mawr, Pa. Royal Victoria College for Women, McGill University, 1915-16.

- WISE, JUSTINE DOROTHY,.....*Group*, ———, 1920-21.
New York City. Prepared by the Horace Mann School, New York City.
- WOOD, SARAH,.....*Group, Chemistry and* ———, 1920-21.
Dingmans Ferry, Pa. Prepared by the Milford High School, Milford, Pa., and by private tuition.
- WOODRUFF, ALICE HUTCHINSON,
Group, Economics and Politics and Psychology, 1918-21.
Scranton, Pa. Prepared by the Central High School, Scranton.
- WOODWARD, KATHARINE FOX,....*Group, Chemistry and Biology*, 1917-21.
Worcester, Mass. Prepared by the Classical High School, Worcester, by the Friends' School, Washington, D. C., and by the Winsor School, Longwood, Mass.
- WOODWORTH, MARY KATHARINE,.....*Group*, ———, 1920-21.
Philadelphia. Prepared by the Philadelphia High School for Girls. Philadelphia City Scholar, 1920-21.
- WORCESTER, BLANDINA VAN ANTWERP,
Group, Greek and Philosophy and Psychology, 1919-21.
Boston, Mass. Prepared by the Winsor School, Longwood, Mass.
- WORCESTER, WINIFRED KIRKHAM,....*Group, French and History*, 1917-21.
New York City. Prepared by the Brearley School, New York City.
- WYCKOFF, DOROTHY,.....*Group, Greek and Latin*, 1917-21.
Norwich, Conn. Prepared by the Norwich Free Academy. Bryn Mawr Matriculation Scholar for the New England States, 1917-18, and Frances Marion Simpson Scholar, 1917-21.
- WYCKOFF, LILLIAN,.....*Group, Chemistry and Biology*, 1918-21.
Norwich, Conn. Prepared by the Norwich Free Academy. Bryn Mawr Matriculation Scholar for the New England States and Special Frances Marion Simpson Scholar 1918-19; James E. Rhoads Sophomore Scholar, 1919-20; James E. Rhoads Junior Scholar, 1920-21.
- YEATMAN, JANE BELL,
Group, History and Economics and Politics, 1918-19, 1920, 1920-21.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Shipley School, Bryn Mawr, Pa.
- YOUNG, FRANCES KEMPER,....*Group, Italian and History of Art*, 1919-21.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1919-20.

SUMMARY OF STUDENTS.

Class of 1921,.....	94
Class of 1922,.....	79
Class of 1923,.....	85
Class of 1924,.....	122
Class of 1925,.....	1
Hearers,.....	1
	<hr/>
Resident Fellows,.....	13
Graduates,.....	84
	<hr/>
	97
Total,.....	<hr/>
	479

BRYN MAWR COLLEGE.

BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

*Introductory
Statement.*

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate
Students.*

their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

***Fellows
and
Scholars.***

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Five European travelling fellowships, twenty resident fellowships and forty-three graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 216 to 222.

***Under-
graduate
Students.***

Undergraduate students must have fulfilled the requirements for matriculation, stated on pages 166-188, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 189-198.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers.

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree.

* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary and Registrar of the College.

They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The
Group
System.*

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English (two years), philosophy and science, are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required year in science permits the student of chemistry and biology to pursue an advanced course in one of these branches, or to take a minor course in physics; and gives for one year at least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy and psychology is a general introduction into the study of the laws, conditions, and history of thought.

*Required
Courses.*

Post-Major Courses.

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

Free Elective Courses.

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

Courses of Study.

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, French, Italian, Spanish, German, Modern History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit and comparative Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, Modern and Old French, Italian, Spanish, and other Romance Languages, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Social Economy and Social Research, Philosophy, Psychology, Education, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Paleontology, Morphology, and Physiology.

Courses in Language and Literature.

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature.

Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

The undergraduate and graduate courses offered in the years 1920-21 and 1921-22 are as follows:

*Courses of
Instruction.*

Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Wilmer Cave Wright, Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Horace Wetherill Wright, Mr. George Cyril Armstrong, Dr. Mary Hamilton Swindler, Dr. Susan Helen Ballou (elect) and Miss Abby Kirk.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Comparative Philology.

GRADUATE COURSES.

Comparative Philology and Philological Seminary.

*Graduate
Courses.*

Two hours a week throughout the year.

Students entering this Seminary are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of

the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology. The courses in Elementary and Second Year Sanskrit will not in general be offered in the same year.

Seminary in Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright,* Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, Mr. George Cyril Armstrong, Lecturer in Greek, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-eight hours of lectures and recitations a week apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Elementary Greek; ten hours a week of undergraduate major and minor work; two hours a week of free elective; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

Elementary Course.

A course of five hours a week throughout the year is provided for those students that wish to study Greek and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in

* Granted leave of absence for the year 1920-21. The courses offered by Professor Wilmer Cave Wright for the year 1920-21 are given by Mr. George Cyril Armstrong.

Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wilmer Cave Wright.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Plato, *Apology* and *Crito* or *Protagoras* or *Phædo*, and Greek Prose Composition, Dr. Sanders. *Two hours a week.*

Sophocles, *Antigone*, Dr. Sanders. *One hour a week.*

Homer, *Odyssey*, Dr. Wilmer Cave Wright.* *Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders.

Two hours a week.

Herodotus, Dr. Sanders.

One hour a week.

Homer, *Iliad*, Dr. Wilmer Cave Wright.*

Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

SECOND YEAR.

1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Aristophanes, Dr. Sanders.

One hour a week.

History of Greek Literature, Ionio-Dorian and Attic periods, Dr. Wilmer Cave Wright.*

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

Private reading: Æschylus, *Prometheus Vinculus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature;

* See footnote, page 54.

Major Course.

Æschylus, Prometheus Vinculus, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Thucydides, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Sophocles, Dr. Sanders.

One hour a week.

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wilmer Cave Wright.*

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: *Æschylus, Persæ*, ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; *Æschylus, Prometheus Vinculus*, ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

Group: Greek with any language, or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Ancient History, or with Classical Archæology, or with Mathematics.

FREE ELECTIVE COURSES.

Greek Religion and Greek Myths, Dr. Wilmer Cave Wright.*

Two hours a week during the first semester.

(Given in each year.)

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths. This course may be offered as part of the minor course in Ancient History or as part of the minor course in Classical Archæology. In 1920-21 Mr. Armstrong gave in place of this course and the following course a course on Greek Religion and Thought.

Literary Geography of Greece and Asia Minor, Dr. Wilmer Cave Wright.*

Two hours a week during the second semester.

(Given in each year.)

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history. It may be offered as part of the minor course in Ancient History or as part of the minor course in Classical Archæology.

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Classical Archæology. See pages 123 to 124.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges gradu-

* See footnote, page 54.

**Free
Elective
Courses.**

**Post-
Major
Courses.**

ate students frequently find it advisable to elect some of these courses. No student that has not completed the equivalent of the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1920-21 the following post-major courses are offered:

1st Semester.

Æschylus, <i>Eumenides</i> , Dr. Sanders.	Two hours a week.
Sophocles, <i>Trachiniæ</i> , Dr. Sanders.	One hour a week.
Theocritus, Dr. Wilmer Cave Wright.*	Two hours a week.

2nd Semester.

Greek Rhetoricians and Prose Composition, Dr. Sanders.	One hour a week.
Bacchylides, Dr. Sanders.	One hour a week.
Euripides, <i>Bacchæ</i> , Dr. Sanders.	One hour a week.
Æschylus, <i>Septem</i> , or Lucian, Dr. Wilmer Cave Wright.*	Two hours a week.

In 1921-22 the following post-major courses are offered:

1st Semester.

Æschylus, <i>Oresteia</i> , Dr. Sanders.	Two hours a week.
Fourth Century Critics, Dr. Sanders.	One hour a week.
Palatine Anthology, Dr. Wilmer Cave Wright.	Two hours a week.

2nd Semester.

Pindar, Dr. Sanders.	Two hours a week.
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> , Dr. Sanders.	One hour a week.
Sophocles, <i>Ajax</i> , Dr. Wilmer Cave Wright.	Two hours a week.

In 1922-23 the following post-major courses are offered:

1st Semester.

Minor Orations of the Attic Orators, Dr. Sanders.	Two hours a week.
Sophocles, <i>Œdipus Coloneus</i> , Dr. Sanders.	One hour a week.
Melic Poets, Dr. Wilmer Cave Wright.	Two hours a week.

2nd Semester.

Æschylus, <i>Agamemnon</i> , Dr. Sanders.	Two hours a week.
Greek Prose Composition and the Evolution of Style, Dr. Sanders.	One hour a week.
Plato, <i>Republic</i> , Dr. Wilmer Cave Wright.	Two hours a week.

GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

Graduate Courses.

* See footnote, page 54.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see pages 124 to 125.

Greek Seminary, Dr. Sanders.

Three hours a week throughout the year.

(Given in each year.)

In 1920-21 Attic Tragedy is the subject of the seminary. The work of the seminary in textual criticism is devoted to Sophocles. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1921-22 Greek Orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1922-23 Greek historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

Greek Seminary, Dr. Wilmer Cave Wright.*

Two hours a week throughout the year.

(Given in each year.)

In 1920-21 Plato is the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarizing the students with the achievements of scholarship and the general field of Platonic literature up to the present day. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1921-22 the Homeric Question will be the subject of the seminary; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's

* See footnote, page 54.

Prolegomena. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticized in detail.

In 1922-23 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

Greek Journal Club, Dr. Sanders and Dr. Wilmer Cave Wright.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler,* Professor of Latin, Dr. Horace Wetherill Wright, Associate in Latin, Dr. Mary Hamilton Swindler, Associate in Latin and Classical Archæology, and Dr. Sarah Helen Ballou, Associate (elect) in Latin. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

FIRST YEAR

(Minor Course.)†

1st Semester.

(Given in each year.)

Cicero, *Letters*, Dr. Wheeler and Dr. Swindler.

Three hours a week.

Horace, *Odes*, *Epodes* and *Selected Satires*, Dr. Horace Wetherill Wright, and Dr. Swindler.

Two hours a week.

**Major
Course.**

(May be taken as a free elective.)

The class is divided into two sections, each of which is assigned to a different instructor in the first and in the second semester. In 1921-22 there will be three sections, one conducted by Dr. Ballou.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five-hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three-hour course in Cicero only read one half of Livy I (selections) in each semester. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

* Granted sabbatical leave of absence for the year 1921-22. The courses offered by Professor Wheeler will be given by a substitute whose appointment will be announced later.

† For regulations regarding the passing off of the Minor Latin, see footnote, pages 174-175. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

2nd Semester.

Terence, *Phormio*, *Adelphoe*, and Petronius, *Cena*, *Trimalchionis*, Dr. Wheeler and Dr. Swindler. *Three hours a week.*

Selections from Catullus, Lucretius and Vergil, *Eclogues*, Dr. Horace Wetherill Wright and Dr. Swindler.

(May be taken as a free elective.)

Private reading: Livy I (selections) must be read by students taking the five-hour course. Livy I (selections) (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

SECOND YEAR.**1st Semester.**

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.*

Three hours a week.

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

Lectures on Latin Literature, Dr. Horace Wetherill Wright.

Two hours a week.

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Suetonius, *Tiberius* must be read by students taking the five-hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Suetonius, *Tiberius* (first half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

2nd Semester.

Latin Comedy, Plautus, Martial, *Epigrams*, Dr. Wheeler.*

Three hours a week.

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Four or five plays and selected epigrams are read in class.

Lectures on Latin Literature (continued), Dr. Horace Wetherill Wright.

Two hours a week.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five-hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy;

* See footnote, page 59.

Suetonius, *Tiberius* (second half) must be read by students taking the course in Latin Literature, only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

Group: Latin with any language, or with Philosophy, or with Classical Archæology, or with Ancient History, or with Mathematics.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

Post-Major Courses.

In 1920-21 and again in 1922-23 the following post-major courses are offered:

1st Semester.

Roman Elegy, Dr. Wheeler.

Two hours a week.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Horace Wetherill Wright.

Three hours a week.

The larger part of the *Æneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Horace Wetherill Wright. *Two hours a week.*

This course is specially recommended to students who intend to teach Latin. It meets one hour a week, the remaining hour being given to interviews and individual work.

2nd Semester.

Roman Elegy (continued), Dr. Wheeler.

Two hours a week.

Roman Prose of the Empire, Dr. Horace Wetherill Wright.

Three hours a week.

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix are read.

Latin Prose Composition (continued), Dr. Horace Wetherill Wright.

Two hours a week.

In 1921-22 and again in 1923-24 the following post-major courses are offered:

1st Semester.

Roman Satire, Dr. Wheeler.*

Two hours a week.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

*See footnote, page 59.

Latin Prose Composition, Dr. Ballou.

Two hours a week.

This course is especially intended for students who wish to prepare themselves to teach Latin, and all such students are strongly urged to take this course. The course meets one hour a week and one hour is given to interviews and individual work.

2nd Semester.

Roman Satire (continued), Dr. Wheeler.*

Two hours a week.

Latin Prose Composition (continued), Dr. Ballou.

Two hours a week.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to seven hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Lyric Poetry, Elegy, and Comedy, and Roman Religion, Latin Epigraphy and Roman Epic Poetry. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.*

Three hours a week throughout the year.

(Given in each year.)

In 1920-21 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarize themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1921-22 Latin Comedy will be the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz,

* See footnote, page 59.

Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Comoediae*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1922-23 Roman Lyric in the Period of the Republic will be the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipzig and Berlin, 1908 (Teubner).

Latin Seminary, Dr. Ballou.

Two hours a week throughout the year.

(Given in each year.)

In 1920-21 the work of the seminary during the first semester is Latin Epigraphy. The major portion of the course is devoted to a study of the *Corpus Inscriptionum*. In the second semester the Topography of Rome is studied. There are illustrated lectures and the students present frequent reports based on a detailed investigation of the discoveries affecting individual sites. The seminary is conducted in this year by Dr. H. W. Wright.

In 1921-22 Latin Epigraphy and Palaeography will be the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The palaeographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1922-23 Roman History from the sources will be the subject of the seminary. The object is to examine in detail the course of events during the last years of the Roman Republic, and the work consists largely of research on the part of the students.

In 1923-24 Cicero's Correspondence will be the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

Latin Journal Club, Dr. Wheeler,* Dr. Swindler and Dr. Ballou.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Carleton Fairchild Brown (elect), Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Howard James Savage, Mr. Samuel Arthur King, Dr. Agnes Rutherford Riddell, Miss Marcelle Pardé, Dr. Eduard Prokosch, Mr. Claude Gilli, Mr. Joaquín Ortega, Dr. Mary Agnes Quimby, Miss Carolina Marcial Dorado, Miss Mary Sinclair Crawford, Miss Esther Cloudman Dunn, Miss Katharine Forbes Liddell, Miss Amphillis T. Middlemore, Miss Edna Eimer, and Miss Margaret Georgiana Melvin.

* See footnote, page 59.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Carleton Fairchild Brown, Professor (elect) of English Philology, Dr. Regina Katharine Crandall, Professor of English Composition, Dr. Samuel Claggett Chew,[†] Professor of English Literature, Dr. Howard James Savage, Associate Professor of Rhetoric and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. John William Draper, Lecturer (elect) in English Literature, and Miss Esther Cloudman Dunn, Miss Katharine Forbes Liddell, Miss Amphilis T. Middlemore and Miss Edna Eimer, Instructors in English, and Miss Margaret Georgiana Melvin, Reader in English.

The instruction offered in English covers forty-six hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with philosophy, or with philosophy and psychology, or as a free elective; eight hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Composition, Anglo-Saxon, and Early and Middle English.

Required Course.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition, though not connected with the lectures on literature and language, may not be elected separately. The courses are required to be taken in the order given below. The first year course must be completed before the second year course is taken and

[†] Granted sabbatical leave of absence for the year 1921-22. The courses offered by Professor Chew will be given by Dr. Draper.

English Composition, Part I, must precede the first year lectures on the History of English Literature. The second year course in History of English Literature must precede the course in English Composition, Part II.

FIRST YEAR.

1st Semester.

(Given in each year.)

General English Composition, Part I, Dr. Savage, Miss Dunn, Miss Liddell, Miss Middlemore, Miss Eimer. *Four hours a week.*

For the most part, the course is concerned with a rapid survey of the elements of usage and discourse, and with the study of exposition, argument, and allied topics and forms. Some attention will be paid to oral composition. The written work consists of papers both short and long and various exercises. Conferences between instructor and student form an important part of the work. Much stress is laid upon illustrative reading. The class meets once, and sometimes twice, a week; the divisions meet regularly twice each week.

The Principles of Articulation, Mr. King.

One hour a fortnight.

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

2nd Semester.

Lectures on the History of English Literature, Miss Donnelly.

Five hours a week.

Beginning with a history of the English language and Anglo-Saxon literature, the lectures give a brief introduction to the study of early Teutonic literature and mythology. The history of English literature to the death of Spenser and of mediæval literature, occupies the second half of the course.

The Principles of Articulation (continued), Mr. King. *One hour a fortnight.*

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on the History of English Literature from the death of Spenser to the present time, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly. *Five hours a week.*

The Sonant Properties of Speech, Mr. King.

One hour a fortnight.

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

2nd Semester.

General English Composition, Part II, Dr. Savage, Miss Dunn, Miss Liddell, Miss Middlemore. *Four hours a week.*

In this course the work of the first year is continued with reference to biography, description, narration, and allied forms and topics. The arrangements as to papers, reading, conferences, class meetings, and similar matters are like those for the first year.

The Sonant Properties of Speech, Mr. King.

One hour a fortnight.

Major Course.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses. Any of the courses, except the courses in English Drama, in English Fiction in the nineteenth century, in English Literature from Dryden to Johnson, and the courses in Shakespeare and in Middle English Poetry, and Chaucer, may be taken separately as free electives by students that have completed the required course. All students taking a major course in English must take one course in language, and those students who wish to specialise in language must take at least one course in literature.

FIRST YEAR.**1st Semester.****Minor Course. (Literature.)**

English Critics of the Nineteenth Century, Dr. Chew.* *Five hours a week.*

(Given in each year.)

Carlyle, Ruskin, Huxley, Arnold, Pater, and Morley and, if time allows, two or three other writers, are studied with regard to their theories of criticism and their influence upon the thought of their time. A report is required from each student attending this course.

2nd Semester.

English Romantic Poets, Miss Donnelly.

Five hours a week.

(Given in 1919-20 and again in 1921-22.)

The poets studied in this course are Wordsworth, Coleridge, Shelley, Byron, and Keats. Their works are discussed in class in connection with questions of poetics and literary theory and reports are required from students attending the course.

English Poetry, 1850-1914, Dr. Chew.

Five hours a week.

(Given in 1920-21 and again in 1922-23.)

A rapid review of the progress of poetry during the first half of the nineteenth century is followed by more detailed study of the poets of the later period.

1st Semester.**Language.**

Anglo-Saxon Prose and Beowulf, Dr. Brown.

Five hours a week.

(Given in 1922-23 and again in 1924-25.)

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Wyatt and Chambers's text) and the first two-thirds of the poem is read with the class.

2nd Semester.

Middle English Poetry and Chaucer, Dr. Brown.

Five hours a week.

(Given in 1921-22 and again in 1923-24.)

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Lectures are given on the development of the language and literature during the period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

* See footnote, page 64.

SECOND YEAR.

1st Semester.

Literature.

The Elizabethan and Jacobean Drama, Dr. Chew.* *Five hours a week.*

(Given in each year.)

A large number of plays by the dramatists from Lyly and Marlowe to Ford and Shirley are read. The lectures deal in part with aspects of contemporary life as reflected in the drama. A report is required from each student attending the course.

2nd Semester.

English Literature from Dryden to Johnson, Dr. Chew.* *Five hours a week.*

(Given in 1921-22 and again in 1923-24.)

The poets from Butler to Thomson; the philosophers from Hobbes to Hume; the novel from Defoe to Fielding; the beginning of English historical writing, and the essayists, are the chief subjects studied in this course.

English Fiction in the Nineteenth Century, Dr. Savage. *Five hours a week.*

(Given in 1920-21 and again in 1922-23.)

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

Language.

1st Semester.

Middle English Romances, Dr. Brown.

Five hours a week.

(Given in 1921-22 and again in 1923-24.)

Selected romances in Middle English are read by the members of the class. The lectures deal with the development of Romance literature in Europe with special reference to the romances of the Arthurian cycle, and the discussion includes a review of the development of mediæval themes in later periods.

2nd Semester.

Shakespeare, Dr. Brown.

Five hours a week.

(Given in 1920-21 and again in 1922-23.)

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work. The plays usually chosen are: *King Lear*, *Henry IV*, Part I, *Hamlet*, *Romeo and Juliet*, and *The Tempest*. Some of the more general problems connected with these plays are discussed in introductory lectures and various topics are taken up such as the principles of tragedy and comedy, the use of allegory and the development of Shakesperian criticism.

Group: English with any language, or English with Philosophy, or English with Philosophy and Psychology, or English with History of Art.

FREE ELECTIVE COURSES.

The Technique of the Drama, Dr. Savage. *Two hours a week throughout the year.*

(Given in 1921-22 and again in 1923-24.)

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the making of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

**Free
Elective
Courses.**

* See footnote, page 64.

Materials and Methods of Teaching Composition, Dr. Savage.*Two hours a week during the second semester.**(Given in 1921-22 and again in 1923-24.)*

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

Argumentation, Dr. Crandall.*Two hours a week throughout the year.**(Given in each year.)*

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

The Short Story, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

The course deals with various forms of narrative, more especially the short story, and includes a study of the work of representative authors, both English and French. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Versification, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

The course is not historical but theoretical and practical. Students are required to write short exercises in verse every week. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Daily Themes, Dr. Crandall.*Two hours a week during the first semester.**(Given in 1921-22 and again in 1923-24.)*

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Criticism, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

The course includes a study of the principles of criticism and the writing of critical expositions, the essay, and kindred forms. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

General Reading of Prose Authors, Mr. King.*One hour a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.

Reading of Shakespeare, Mr. King.*One hour a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

GRADUATE COURSES.

Graduate Courses.

There are offered each year distinct graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Professor Donnelly offers in 1920-21 special assignments of reading and reports for foreign students who have come intending to study American literature and to prepare for examinations in it abroad. Professor Savage offers in each year special instruction in English composition to graduate students approved by the Department of English.

No undergraduates are admitted to graduate courses.

Seminary in English Literature, Miss Donnelly.

Two hours a week throughout the year.

(Given in alternate years.)

In 1920-21 Donne and Milton are the subjects of the seminary. They are studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

In 1922-23 Eighteenth Century Prose will be the subject of the seminary. Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1924-25 the Romantic Poets will be the subject of the seminary. Special attention is paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent are discussed.

Seminary in Middle English, Dr. Brown.

Three hours a week throughout the year.

(Given in each year.)

In 1921-22 the Beginnings of English Drama will be the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles is studied. In considering the morality plays their connection with mediæval allegories, debates, and didactic treatises is specially examined. The lectures given by the instructor are designed to afford a general survey

of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1922-23 Middle English Romances will be the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, Arthurian cycle, romances of Germanic origin, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

In 1923-24 the seminary will study *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

Seminary in English Literature, Dr. Chew.

Three hours a week throughout the year.

(Given in each year.)

In 1920-21 the seminary is devoted to aspects of the Elizabethan and Jacobean Drama.

In 1921-22* the subject of the seminary will be the poetry and prose of Wordsworth and the novel of the Romantic Period.

In 1922-23 various aspects of the literature of the Victorian era will be studied.

Seminary in English Composition, Dr. Crandall.

Two hours a week throughout the year.

(Given in each year.)

The chief business of the seminary is the discussion and criticism of the students' own writing. Its aim is to make familiar and apply the principles and standards of criticism that have developed with the development of literature; the subject of study in each year is adapted to the purpose and interests of the students.

In 1920-21 modern fiction, English, French and Russian, is the subject of the seminary.

In 1921-22 the seminary will study the manner of writers of biography and memoirs, among others Boswell, Lord Morley, and Henry Adams.

In 1922-23 the subject of the seminary is historical writing and includes a study of the manner of Gibbon, J. R. Green, Motley, Parkman, and other historians.

Seminary in American Literature for Foreign Students, Dr. Crandall.

Two hours a week throughout the year.

(Given in 1921-22 and in each succeeding year.)

The subject of the seminary is the history of American literature, more especially in the latter half of the nineteenth century. The seminary is intended primarily for foreign students and may not be counted for the degree of Doctor of Philosophy.

English Historical Grammar, Dr. Brown.

Two hours a week throughout the year,

(Given in 1920-21 and again in 1922-23.)

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English. The students examine various documents of the different periods to discover evidence of the operation of linguistic principles. This course is given by Dr. Prokosch in 1920-21 combined with a graduate course in Anglo-Saxon amounting to four hours a week throughout the year.

* See footnote, page 64

Beowulf, Dr. Brown.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

This course begins with a careful textual study of the Beowulf. After discussing the problems of editing, a general survey of Beowulf criticism is presented including theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

Cynewulf and Cædmon, Dr. Brown.

Two hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

Several of the poems traditionally ascribed to those authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

Technical and Advanced Criticism, Dr. Savage.

Two hours a week during the first semester.

(Given in each year.)

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, oral composition and other matters. Materials collected for other courses in research are available for use in this work.

General Course in Articulation and Voice Production, Mr. King.

One-half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties. This is a special course for graduate students.

English Journal Club, Miss Donnelly, Dr. Brown, Dr. Chew, Dr. Crandall, Dr. Savage, Dr. Prokosch and Dr. Draper.

One and a half hours a month throughout the year.

(Given in each year.)

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Associate Professor of French; Mr. Claude Gilli, Associate Professor of Old French; Miss Marcelle Pardé, Associate in French, Miss Mary Sinclair Crawford, Instructor in French, and Miss Marthe Jean Trotain, Instructor (elect) in French.

The instruction offered in French covers thirty-four hours of lectures and recitations a week; it includes five hours a week of elementary French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open

only to graduates and to undergraduates that have completed the major course in French; and fourteen hours a week of graduate work in modern French literature and in Old French literature and language. All the courses in French except the elementary course and the seminary in philology are conducted in the French language.

Elementary Course.

A class for beginners in French five hours a week throughout the year is provided, in order that those students whose matriculation examination did not include French may obtain a reading knowledge of it if they desire to do so. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in French. This course is given by Miss Crawford.

Major Course.

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral reading, Dr. Schenck and Miss Pardé.

Three hours a week.

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to give them a general survey of Modern French literature.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Dr. Schenck and Miss Pardé.

Two hours a week.

In the first semester selections from the poetry of Victor Hugo are read in class; in the second semester Balzac's *Eugénie Grandet* is read. In the course in syntax and composition Goodrich, *French Composition*, is used. The courses are given in two divisions, one conducted by Dr. Schenck and one by Miss Pardé.

2nd Semester.

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral reading, (continued), Miss Pardé and Miss Trotain.

Two hours a week.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Miss Pardé and Miss Trotain.

Two hours a week.

The courses will be given in 1921-22 in two divisions, one conducted by Miss Pardé and one by Miss Trotain. In 1920-21 Mr. Gilli and Miss Pardé conducted the two divisions.

Advanced Standing.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowl-

edge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a short passage of every-day idiomatic English.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on the history of French Literature in the seventeenth century, accompanied by collateral reading, Miss Trotain. *Three hours a week.*

Critical Readings in the Literature of the seventeenth century. Studies in French Style and Composition, Mr. Gilli. *Two hours a week.*

2nd Semester.

Lectures on the history of French Literature in the eighteenth century, accompanied by collateral reading, Dr. Schenck. *Three hours a week.*

Critical Readings in the Literature of the eighteenth century. Studies in French Style and Composition, Dr. Schenck. *Two hours a week.*

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question in French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work.

Advanced Standing.

Group: French with any language, or with Modern History, or with History of Art.

FREE ELECTIVE COURSE.

Modern Tendencies in French Literature, Dr. Schenck.

Two hours a week throughout the year.

(Given in 1920-21 and in each succeeding year.)

Contemporary French writers are studied in relation to their predecessors and to modern movements. Lectures, class discussion, and reports are in English; the reading in connection with the course is in French.

Only those students will be admitted who have completed the course in General English Literature or the course in Major French Literature, and have passed the general language examination in French in the autumn preceding their registration for this course, or have had training equivalent to this. In special cases, where the general language examination has not been taken, the student must satisfy the instructor that her knowledge of French is sufficient for the course.

Free Elective Course.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Modern French Drama, Dr. Schenck. *Two hours a week throughout the year.*
(Given in 1920-21 and again in 1922-23.)

The course begins with a study of the plays of the Romantic period, and traces the development of French drama throughout the nineteenth century to the present day. The course is conducted by means of lectures, class-room discussion, and reports.

The Short Story (*Nouvelle*) in the nineteenth century, Dr. Schenck.
Two hours a week throughout the year.
(Given in 1919-20 and again in 1921-22.)

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

Advanced French Composition, Mr. Gilli.
Two hours a week throughout the year.
(Given in 1921-22 and in each succeeding year.)

Introduction to a Study of Historical French Grammar, Mr. Gilli.
One hour a week throughout the year.
(Given in 1921-22 and in each succeeding year.)

In this course the formation and development of French grammar will be studied with special emphasis on Modern French.

Evolution of French Lyric Poetry, Miss Pardé.
Two hours a week throughout the year.
(Given in 1920-21 and again in 1922-23.)

The origins of modern French lyric poetry are discussed with special emphasis on the poets of the "Pléiade." The romantic movement, l'Ecole du Parnasse, and the later nineteenth century poets are also studied.

The Development of Social Ideals in French Literature, Miss Pardé.
Two hours a week throughout the year.
(Given in 1921-22 and again in 1923-24.)

The following types will be studied: "Le chevalier" of the Middle Ages (La Chanson de Roland); "l'escollier" (François Villon); "l'homme de la Renaissance (Montaigne, Rabelais); "l'honnête homme" of the 17th century (Molière, La Fontaine, Pascal); "le philosophe" of the 18th century (Voltaire, Rousseau); "le romantique" of the 19th century (Lamartine, Musset); "l'intellectuel" (Renan, Anatole France).

Masterpieces of French Literature, Miss Pardé.
One hour a week throughout the year.
(Given in each year.)

This course will be conducted according to the method of the *Explication de Textes* used in the French Universities. The texts chosen will represent typical phases of the French genius and vary from year to year being chosen from the authors read in the course in Development of Social Ideals, and the course may be taken in two consecutive years.

GRADUATE COURSES.

Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses, covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers about one main topic to be studied as a part of the history of French literature in its various relations to the general literature and civilisation of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Graduate Courses.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

Seminary in Modern French Literature, Dr. Schenck.

Two hours a week throughout the year.

(Given in each year.)

In 1920-21 the subject of the seminary is Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study is made of the origin and development of the theory of *L'art pour l'art*.

In 1921-22 the subject of the seminary will be Romanticism and Realism. The origins of romanticism are examined in the rise of "*le cosmopolitisme littéraire*," in eighteenth century French literature and especially in the works of Rousseau and Madame de Staël.

A parallel study of the theories underlying literary and historical realism is made in connection with Taine, Renan, Zola, and Maupassant.

In 1922-23 the subject of the seminary will be Nineteenth Century Drama. After a rapid survey of the theatre of the eighteenth century a careful study is made of the drama of Hugo, Dumas père, Vigny, and Musset, and the extent of the influence of Shakespeare on French romantic drama. The rise and development of realistic comedy are studied and the course closes with an examination of Post-Realism and Symbolism in contemporary French drama.

Seminary in Mediæval French Literature, Mr. Gilli.

Two hours a week throughout the year.

(Given in each year.)

The work expected of graduate students in the seminary in Mediæval French Literature consists of a first hand knowledge of the texts, a review of the opinions expressed by the leading specialists on each subject and a critical discussion of the work in question. The reports are intended to train graduate students in literary research. Students are expected to have a good reading knowledge of Old French and it is recommended that the course in Advanced Old French philology be taken together with this seminary.

In 1920-21 the subject of the seminary is the *Matière de Bretagne et l'Epopée Courtoise*. The course includes a careful study of the *Lais* of Marie de France. The poems referring to Tristan and the *Romans* of Chrétien de Troyes. These are studied in connection with the question of their origin in Celtic countries and their later development in France.

In 1921-22 the origin and development of the *Chansons de Geste* and their influence in other European countries will be studied.

In 1922-23 *La Fable Esopique* and the *Roman de Renard* will be the subject of the seminary. The course will include a study of the *Æsopic* fables in the Middle Ages and treats in detail the extent to which the *Roman de Renard* is based on these fables. The *Ysopet* of Marie de France and the best "branches" of *Renard* are read.

Old French Philology, Mr. Gilli.

Three hours a week throughout the year.

(Given in each year.)

Historical Grammar of Old French, followed by Critical Reading of Old French texts. This course is equivalent to a full seminary and counts as such.

Introduction into the Study of Romance Philology, Mr. Gilli.

One hour a week throughout the year.

(Given in each year.)

The study of Vulgar Latin and its evolution in the various parts of the Roman Empire. A critical study of Inscriptions and Glossaries. In the second semester a comparative study of the Phonology of Old Provençal, Old Italian, and Old Spanish will be combined with a special study of easy Old Provençal texts. It is recommended that the course be taken together with advanced Old French Philology or Mediæval French Literature. Graduate students taking the graduate language courses in Italian and Spanish who have not had this course or its equivalent are strongly advised to take it at the same time, and will be given an allowance of three hours in the work required to make these courses equivalent to seminaries. The two courses will together be equivalent to a full seminary and will count as such.

Advanced Old French Philology, Mr. Gilli.

One hour a week throughout the year.

(Given in each year.)

This course is open only to graduate students who have already taken the graduate course in Old French Philology or its equivalent.

The different dialects of Old French, the reconstruction of texts from the MSS., and the elements of Palæography are the subjects of the course. It is recommended that this course be taken together with the Introduction to the Study of Romance Philology. The two courses will together be equivalent to a full seminary and will count as such.

Advanced Romance Philology, Mr. Gilli. *One hour a week throughout the year.*

(Given in each year.)

This course is open only to graduate students who have already taken the graduate course in the Introduction to the study of Romance Philology or its equivalent.

The comparative philology of the various Romance languages including Roumanian is studied with a special consideration of the various Italian dialectical forms.

Anglo-Norman, Mr. Gilli.

One hour a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

This course will be similar and supplementary to the course in Old Provençal.

Old Provençal, Mr. Gilli.

One hour a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

Historical Grammar of the Old Provençal language followed by a study of Old Provençal texts.

Modern French Literature, Miss Pardé. *Three hours a week throughout the year.*

(Given in each year.)

The method used in advanced literary instruction in France and known as the "*Explications de textes*" will be employed, students being required to give oral lessons and to write many short papers.

In 1920-21 seventeenth century authors are studied.

In 1921-22 authors of the eighteenth century will be studied.

In 1922-23 the period selected will be the sixteenth century.

Romance Languages Journal Club, Dr. Schenck, Mr. Gilli, Miss Pardé, Dr. Riddell, Dr. DeHaan, Mr. Ortega, Miss Crawford, and Miss Trotain.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology.

Italian.

The instruction in this department is given by Dr. Agnes Rutherford Riddell, Associate in Italian and Dr. Christine Saraau, Instructor (elect) in Italian, Spanish and German.

The instruction offered in Italian covers nineteen hours of lectures and recitations a week; it includes five hours a week of elementary Italian, ten hours a week of undergraduate minor and major work; two hours a week of post-major work, and two hours a week of graduate work in Italian literature.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group. Students may thus elect ten hours of Italian or five hours of Italian and five hours of Spanish to form a major course.

A class for beginners in Italian, conducted by Dr. Saraau, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include Italian may obtain a reading knowledge of the language. Such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in Italian.

The major course in Italian presupposes as much knowledge as is required to pass the examination at the close of the elementary course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

(May be taken as a free elective.)

1st Semester.

History of Italian Literature, Dr. Riddell.

Three hours a week.

Lectures on the history of Italian Literature, from its beginnings to the death of Dante accompanied by collateral reading. A special study of the *Divina Commedia*.

Italian Composition, Dr. Riddell.

Two hours a week.

Composition in Italian accompanied by illustrative readings from Italian prose and poetry of the nineteenth and twentieth centuries.

2nd Semester.

History of Italian Literature, Dr. Riddell.

Three hours a week.

The lectures deal with Italian literature from the death of Dante to the end of the fourteenth century, accompanied by illustrative reading. Special study of Petrarch's lyrics and of Boccaccio's *Decameron*.

Elementary Course.

Major Course.

Italian Composition, Dr. Riddell.

Two hours a week.

The course is continued as in the first semester.

As far as possible the above courses are conducted in the Italian language, depending on the preparation of the students and the nature of the material studied.

Advanced Standing.

The advanced standing examinations or examinations taken without attendance on the college classes in the minor course in Italian, five hours a week for one or two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college by regular and systematic study, or by residence abroad, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering college. Failure to pass at the first trial will disqualify from further trials.

SECOND YEAR.

*(Major course.)**(Given in each year.)*

Lectures on the History of Italian Literature, Dr. Riddell.

Three hours a week throughout the year.

In the first semester Italian literature from the Renaissance to modern times and in the second semester Italian literature of the nineteenth and twentieth centuries is studied. The course is conducted in Italian. Assignments of illustrative readings from the more important authors are given on which the students are expected to report in class in Italian. An attempt is made to estimate the position of Italian literature in its relation to other literatures.

Advanced Italian Composition, Dr. Riddell.

Two hours a week throughout the year.

Group: Italian, or Italian and Spanish, with any language, or Italian with History, or with History of Art.

.POST-MAJOR COURSE.

Post-Major Course.

Modern Italian Drama, Dr. Riddell.

*Two hours a week throughout the year.**(Given in each year.)*

The course traces the development of the Italian drama from the time of Goldoni to the present day. Representative dramas will be read and discussed.

GRADUATE COURSES.

Graduate Courses.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Seminary in Italian Literature, Dr. Riddell.

*Two hours a week throughout the year.**(Given in each year.)*

In 1920-21 the subject of the seminary is the Development of the Short Story. The popular tale, the *novella*, and other manifestations of the story form are studied. Special attention is paid to the modern short story.

In 1921-22 the subject of the seminary will be the Epic, with special study of Boiardo, Ariosto and Tasso.

In 1922-23 the subject of the seminary will be the Development of the Drama. The early drama, the *commedia dell' arte*, the drama of the eighteenth century, and the modern drama will be studied.

If necessary, modifications will be made in the work of the seminary to meet the special requirements of students presenting themselves for it.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan, Professor of Spanish, Mr. Joaquín Ortega, Lecturer in Spanish, Miss Carolina Marcial Dorado,* Instructor in Spanish, and Dr. Christine Sarauw, Instructor (elect) in Italian, Spanish and German.

The instruction offered in Spanish covers nineteen hours of lectures and recitations a week; it includes five hours a week of elementary Spanish, ten hours a week of undergraduate minor and major work; two hours a week of post-major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

A class for beginners in Spanish, conducted by Dr. Sarauw, five hours a week throughout the year is provided, in order that those students whose matriculation examination did not include Spanish may with less difficulty obtain a reading knowledge of the language. Such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in Spanish.

Elementary Course.

Entrance to the major course in Spanish presupposes as much knowledge as is required to pass the examination at the close of the elementary Spanish course.

Major Course.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Spanish, Dr. De Haan.

Five hours a week throughout the year.

The work of the elementary course is extended by the reading of moderately long and fairly difficult Spanish Prose by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish.

The advanced standing examinations or examinations taken without attendance on the college classes in the minor course in Spanish, five hours a week for one or two semesters

Advanced Standing.

* Granted leave of absence for the year 1920-21. The courses announced by Miss Dorado are given in the year 1920-21 by Mr. Joaquin Ortega.

may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials.

SECOND YEAR.

(Given in each year.)

Reading of Classics in Spanish Literature, Dr. DeHaan.

Three hours a week throughout the year.

Advanced Spanish Composition, Dr. DeHaan.

Two hours a week throughout the year.

Group: Spanish or Italian and Spanish with any language, or Spanish with History or with History of Art.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Advanced Spanish, Dr. DeHaan.

Two hours a week throughout the year.

(Given in each year.)

The course consists of translation into Spanish, of selected passages, prose and verse of representative English and American writers.

Modern Spanish Drama, Mr. Ortega.

Three hours a week throughout the year.

(Given in 1920-21.)

Selected plays are read with the object of tracing the development of the Spanish Theatre from Moratin to such representatives of contemporary tendencies as Benavente, the Quintero brothers, Martinez Sierra, Marquina, and others. The translation of dramatic passages from English into Spanish is prescribed in order to train the students in the mastery of Spanish dialogue. The course is conducted by means of lectures, classroom discussions, and reports. This course was given by Dr. DeHaan in the second semester.

GRADUATE COURSES.

Graduate Courses.

Two hours a week of seminary work or graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

The graduate seminaries in Spanish are varied from year to year in order that they may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Seminary in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

(Given in each year provided the courses in Spanish Philology and Old Spanish Readings are not given.)

In 1920-21 Calderón is the subject of the seminary.

In 1921-22 some typical plays of Lope de Vega will be the subject of the seminary.

In 1922-23 the works of Pero López de Ayala will be studied.

Spanish Philology, Dr. DeHaan. *One hour a week throughout the year.*

(Offered provided the seminary in Spanish is not given.)

Old Spanish Readings, Dr. DeHaan. *One hour a week throughout the year.*

(Offered provided the seminary in Spanish is not given.)

Seminary in Spanish Literature. *Two hours a week throughout the year.*

In 1920-21 the historical development of the Spanish novel, with special emphasis on the picaresque novel and on the novels of Cervantes is the subject of the seminary which is conducted by Mr. Ortega.

German.

The instruction in this department is under the direction of Dr. Eduard Prokosch, Associate Professor of German, Dr. Mary Agnes Quimby, Instructor in German, and Dr. Christine Sarauw, Instructor (elect) in Italian, Spanish and German.

The instruction offered in German covers twenty hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; and five hours a week of graduate work in modern German literature and in Teutonic philology.

A class for beginners in German, conducted by Dr. Quimby, and in 1921-22 by Dr. Sarauw, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may obtain a reading knowledge of it if they desire to do so. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in German.

Elementary Course.

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

Major Course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Prokosch. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. As much collateral reading as possible, done either in or out of class, will illustrate the lectures. Kummer's *Literaturgeschichte des neunzehnten Jahrhunderts* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private Reading: Grillparzer, *Sappho*, and Fontane, *Effie Briest*, must be read by students taking the course in the first semester; Heibel, *Agnes Bernauer*, and Frenssen, *Hilligenlei*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Prokosch.

Two hours a week throughout the year.

German Grammar and Prose Composition, Dr. Prokosch.

One hour a week throughout the year.

These courses consist primarily of the study and free reproduction of selections from modern German prose and verse.

The course in Grammar and Prose Composition includes a review of grammar based upon Sütterlin's *Deutsche Sprache der Gegenwart*.

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Die Piccolomini*, *Wallenstein's Tod* must be read by students taking the courses in the first semester; Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the German courses.

Advanced Standing.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Prokosch.

Two hours a week throughout the year.

These lectures are delivered in German and discuss chiefly the great classical authors.

Faust-Legend and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts), Dr. Prokosch.

Two hours a week throughout the year.

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of Faust-like legends in mediæval literature, the Faust-Legend in its most important English and German ramifications will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings.

Private reading: Goethe's *Götz* and *Iphigenie* must be read by students taking the course in the first semester, Lenau's *Faust* and Wagner's *Parzival* must be read by students taking the course in the second semester.

German Prose Composition and Reading, Dr. Prokosch.

One hour a week throughout the year.

In this course the students write German essays and translate selected passages of English prose into German. Lewisohn, *German Style* (Holt & Co.), will be studied and discussed.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Kleist's *Michael Kohlhaas* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students taking this course in the second semester. Examinations on the private reading must be taken at the scheduled times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered. **Advanced Standing.**

Group: German with any language, or with History, or with History of Art.

GRADUATE COURSES.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Germanic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries. **Graduate Courses.**

The graduate courses offered in German Philology may be found under the head of General Germanic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic Philology as an associated minor and students who offer Teutonic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Seminary in German Literature, Dr. Prokosch.

*Two hours a week throughout the year.**(Given in each year.)*

It is hoped that the students will become familiar in the seminary with the method of scientific literary criticism and investigation.

In 1920-21 the Romanticism of early modern German literature is studied in the seminary.

In 1921-22 Goethe will be the subject of study in the seminary.

In 1922-23 topics from the classical period of German literature will be studied. Alternative subjects of study are Luther and the Humanists, or Nietzsche.

Other subjects may be substituted in accordance with the needs of the students.

GENERAL GERMANIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Eduard Prokosch, Associate Professor of German. The courses given in each year will be selected from among those described below to meet the needs of the graduate students.

Special attention is called to the facilities for the study of comparative Germanic Philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Germanic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Germanic philology, Gothic, and Middle High German grammar, are designed for students in their first year of graduate study in Germanic languages, and the remaining courses for students in their second or third year.

Students intending to elect Germanic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Seminary in Germanic Philology, Dr. Prokosch.

Two hours a week throughout the year.

(Given in each year.)

This seminary is arranged for the benefit of the most advanced students in Germanic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1920-21 the seminary is devoted to High German texts from the fourteenth to the seventeenth century. The material is taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) are also studied.

In 1921-22 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied in the first semester. The many problems that these texts

offer and the various attempts to solve them are discussed. In the second semester modern High German texts will be the subject of the seminary.

In 1922-23 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it will be discussed.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Prokosch offers in each year the following courses with the understanding that only a limited number will be given, chosen with regard to the needs of the students.

Introduction to the Study of Teutonic Philology, Dr. Prokosch.

One hour a week throughout the year.

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Germanic languages and chiefly of the West Germanic branch.

Gothic, Dr. Prokosch.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Germanic grammar, every graduate student of Germanic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more-advanced students.

Middle High German Grammar and reading of Middle High German Texts, Dr. Prokosch.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German, Dr. Prokosch.

One hour a week throughout the year.

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar is studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse Dr. Prokosch.

Two hours a week throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sogur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3rd ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist. Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

Old High German, Dr. Prokosch.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Germanic Grammar, Dr. Prokosch.

One hour a week throughout the year.

The study of comparative Germanic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Old Saxon, Dr. Prokosch.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behagel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German, Dr. Prokosch.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon. A course in Sanskrit is offered which is specially recommended for students of Germanic philology.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes two courses, one of three hours a week and one of two hours a week in Oriental History, two hours a week of free elective courses in Biblical Literature, and five hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

MINOR COURSE.

(Given in each year.)

History of the Near East, Dr. Barton. *Three hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

**Minor
Course.**

History of the Far East, Dr. Barton. *Two hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

FREE ELECTIVE COURSES.

**Free
Elective
Courses.**

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

Biblical Literature, Dr. Barton.

Two hours a week throughout the year.

One of the following courses will be given in each year, the choice depending on the registration of the students:

History of the Old Testament Canon: In this course the history of the composition of the books of the Old Testament and their collection into a canon are studied. Special attention is given to the literary form and purpose of each book.

History of the New Testament Canon: In this course the history of the composition and collection of the books of the New Testament is studied. The instruction is given in lectures, and reading is assigned in the New Testament and in modern literature concerning it.

New Testament Biography: The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of Christian Doctrine: In the first semester the study is devoted to the Old Testament conceptions of God, Sin, and Redemption, and to Christianity as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

The Religions of the World: The course begins with a study in primitive religions of certain fundamental conceptions. The great historical religions of the world are then studied in outline with special reference to the origin, development, and fundamental ideas of each.

GRADUATE COURSES.

**Graduate
Courses.**

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to two hours a week may be elected by graduate students.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected accord-

ing to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1920-21 and again in 1922-23:

Semitic Seminary, Dr. Barton.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew, one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Seminary in New Testament Greek, Dr. Barton.

One hour a week throughout the year.

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline. A course in Greek equivalent to the major course in Greek in Bryn Mawr College is required of students taking this seminary.

Seminary in the History of Religion, Dr. Barton.

One hour a week throughout the year.

The work of this seminary may be carried on in either of the following ways: By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view. The time may be devoted to investigating problems connected with one religion.

Elementary Semitic Languages, Dr. Barton.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew Literature, Dr. Barton.

One hour a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

The following courses are offered in 1921-22 and again in 1923-24.

Semitic Seminary, Dr. Barton.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1920-21.

Comparative Semitic Grammar, Dr. Barton.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages. This course is to be taken in the fourth year of study of Semitic languages.

Ethiopic, Dr. Barton.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Seminary in Aramaic and Arabic, Dr. Barton.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Egyptian, Dr. Barton.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in Oriental Archæology, Dr. Barton.

One hour a week throughout the year.

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, Dr. Charles Wendell David, Associate Professor of History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. Wilmer Cave Wright, Professor of Greek.

The instruction offered in history covers forty-one hours of lectures a week; it includes fifteen hours a week of undergraduate major and minor work in modern history and seven hours a week of minor work in ancient history; five hours a week of free elective; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and nine hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the stu-

dents a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

History of Europe from 1517 to 1789, Dr. William Roy Smith and Dr. David.

*Five hours a week.***Major Course.**

(This course may be taken as a free elective. The class is divided into two sections, one conducted by Dr. W. R. Smith, the other by Dr. David.)

The work of this and of the following semester is designed not to give a summary view of European history but to select and enlarge upon such aspects of it as are essential to the understanding of the modern world. In consequence, more relative attention is devoted to the period after 1789 than to the centuries preceding that date. Among the topics considered during this semester are the ideal of a united Christendom as embodied in the Holy Roman Empire and the Catholic Church, the causes and effects of the Crusades, the rise of national states, the Reformation and the Counter Reformation, the maintenance of a European balance of power, the progress of colonization, the rise of Prussia and Russia and the characteristics of the *ancien régime*. The instruction is given by means of lectures, required reading, written papers, and discussion.

2nd Semester.

History of Europe from 1789 to 1915, Dr. Gray and Dr. David.

Five hours a week.

(This course may be taken as a free elective. The class is divided into two sections, one conducted by Dr. Gray, the other by Dr. David.)

The course deals with the political and social transformation of Europe which was initiated by the French Revolution. The outcome of the Revolution, the career of Napoleon, the absolutist reaction of the early nineteenth century, the successive revolts against this, the formation of modern constitutional governments, the creation of the German Empire and the Kingdom of Italy, the extension of European influence to Asia and Africa, and the treatment of social problems of today are among the topics studied. The instruction is continued by the same methods as in the first semester.

SECOND YEAR.

1st Semester.

History of the Renaissance, Dr. Gray.

Five hours a week.

(Given in each year.)

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

An endeavour is made to indicate in what ways mediæval life and thought were transformed into those of modern Europe. Political, economic, literary, artistic and scientific changes are therefore studied. Since Italians were prominent in the new movements, most attention is given to Italian history, but the innovations of the North, especially those connected with the new Burgundian State, are not neglected. The period extends in a general way from 1250 to 1527.

2nd Semester.

British Imperialism, Dr. William Roy Smith.

*Five hours a week.**(Given in each year.)*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

FIRST YEAR.

*Ancient History.**(Given in each year.)*History of the Near East, Dr. Barton. *Three hours a week throughout the year.**(This course may be taken as a free elective and may be entered in the second semester.)*

This course treats in broad outlines the history of the civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs.

History of the Far East, Dr. Barton. *Two hours a week throughout the year.**(Given in each year.)**(This course may be taken as a free elective and may be entered in the second semester.)*

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

Greek Religion and Greek Myths, Dr. Wilmer Cave Wright.

*Two hours a week during the first semester.**(Given in each year.)*

(This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.)

The course treats of the development of Greek religion, the attributes of the Olympian gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

Literary Geography of Greece and Asia Minor, Dr. Wilmer Cave Wright.

*Two hours a week during the second semester.**(Given in each year.)*

(This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.)

The course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history.

Group: History with Economics and Politics; History with German, *or* with French, *or* with Italian, *or* with Spanish, *or* with History of Art.

FREE ELECTIVE COURSES.

History of the United States from 1865 to 1915, Dr. William Roy Smith.

Two hours a week throughout the year.

(Given in each year.)

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They are also taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources.

**Free
Elective
Courses.**

Europe since 1870, Dr. Gray.

Three hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

This course is designed for students who wish to know the genesis and setting of contemporary social and political problems. It is of necessity largely concerned with the causes, progress, and effects of the world war. The rise of Germany as a unified industrial state, her rivalry with her neighbours, the consequent formation of alliances, the immediate antecedents of the war, the military and industrial conduct of it, the appearances of revolutionary governments in central and eastern Europe, the consequences of the peace of Versailles, and the strong position of labour in post-bellum society are among the subjects studied. A year of minor history is a prerequisite and a reading knowledge of French is required.

Civilization of the Ancient World, Dr. David.

Three hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

Special attention is paid to Greece and Rome; but extended consideration is also given to the subject of pre-history, to the early civilizations of western Asia, Egypt, and the Ægean region, and to the influence of environment, race, and culture upon human development. The evolution of civilization as a whole, from earliest times to the fourth century A. D., is presented in a single synthesis. A somewhat similar method has recently been adopted by Mr. H. G. Wells in his popular *Outline of History*.

POST-MAJOR COURSES.

England to 1485, Dr. Gray.

Three hours a week throughout the year.

(Given in 1919-20.)

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

**Post-
Major
Courses.**

England under the Tudors, Dr. Gray. *Three hours a week throughout the year.*

(Given in 1921-22 and again in 1923-24.)

Attention is given to the rise and character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The readings and reports are based largely on contemporary documents.

American Constitutional History from 1783 to 1865, Dr. William Roy Smith.

Two hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States*,

but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

American Constitutional History to 1783, Dr. William Roy Smith.

Two hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

The French Revolution and Napoleon, Dr. David.

Three hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

GRADUATE COURSES.

Three distinct seminaries, two in Mediæval and Modern European history, and one in American history are offered to graduate students in history in addition to a course in Historical Bibliography and Criticism and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Seminary in Mediaeval and Modern European History, Dr. Gray.

Three hours a week throughout the year.

(Given in each year.)

In 1920-21 the seminary is devoted to the problems of contemporary Europe and relies upon recent historical literature. The genesis, the progress, and the results of the world war furnish the topics for study. Attention is given to the development of the industrial society of the second half of the nineteenth century, to the staging of the conflict by national interests and rivalries, to the adaptations required by the war, and to changes attendant upon reconstruction and influenced by the commanding position of labour in the social order of the day.

In 1921-22 the seminary will be concerned with the history of England during the Hundred Years' War. Diplomatic negotiations, innovations in military science, the new taxation necessitated, the hostility not infrequently shown to the government, the social changes associated with the Black Death and the Peasants' Revolt, the doctrines advocated by Wiclif, the rise of the woollen industry and of a native merchant class, are among the subjects to which consideration is given.

In 1922-23 aspects of Yorkist and Tudor England will be studied. Among these are the significance of the War of the Roses, the rise of a new nobility, the character of the absolutist government, the renunciation by the English church of papal authority, the consequent dogmatic and social changes, the commercial rivalry and the conflict with Spain.

Seminary in American History, Dr. William Roy Smith.

*Two hours a week throughout the year.**(Given in each year.)*

In 1920-21 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1921-22 the Revolution, the Confederation, and the Constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1922-23 the seminary will deal with the Civil War and Reconstruction. Special stress is laid upon the social, economic, and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Bibliography and Criticism.

Seminary in Mediæval and Modern European History, Dr. David.

*Two hours a week throughout the year.**(Given in each year.)*

In 1920-21 the subject of the seminary is England during the twelfth and thirteenth centuries. Special attention is paid to institutional and cultural developments, and to English continental possessions and connections.

In 1921-22 the subject of the seminary will be the French Revolution. Topics are selected for study from various periods and phases of the Revolution with a view to illustrating different kinds of historical problems, gaining an acquaintance with the principal printed sources and secondary works, and extending the student's knowledge of the revolutionary movement as a whole. Attention is paid to social and economic conditions, to political institutions, and to the intellectual movement under the Old Régime, as being essential to an understanding of the Revolution itself; and in the period beginning with 1789 the economic and social aspects and consequences of the revolutionary movement are steadily borne in mind.

In 1922-23 the subject of the seminary will be England during the period of the late eighteenth and early nineteenth centuries. The genesis and development of the parliamentary reform movement are traced from 1768 to the passage of the Reform Act of 1832. Special attention is devoted to the influence of the French Revolution on English opinion and to the effects of the long struggle with revolutionary France and with Napoleon upon English internal history. The Industrial Revolution, with the grave social and economic consequences which it involved, is also made a subject of special study.

Historical Bibliography and Criticism, Dr. David.

One hour a week throughout the year.

Historical bibliography is the subject of the course during the first semester. Special attention is paid to bibliographical guides; to libraries, archives and manuscript collections; to important sets of printed sources; to the development of historical studies since the Renaissance; and to the work and rank of leading historians of the nineteenth century. Historical analysis and synthesis are treated during the second semester. Special attention is paid to the external and internal criticism of documents; to the auxiliary sciences; to the arrangement and presentation of the results of historical research; and to the relation of history to science. The course consists of informal lectures and supplementary reading, with some assigned topics illustrative of the problems under discussion. This course must be elected by all students in history during their first year of graduate study.

Historical Journal Club, Dr. Gray, Dr. William Roy Smith, and Dr. David.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Professor of Economics and Politics, Dr. Charles Ghequiere Fenwick, Professor of Political Science, and Miss Marjorie Lorne Franklin, Instructor in Economics and Politics.

The instruction offered in this department covers twenty-seven hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour of free elective, seven hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and nine hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Introduction to Economics, Dr. Marion Parris Smith and Miss Franklin.

Five hours a week.

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Marion Parris Smith and one by Miss Franklin.)

The objects of this course are to introduce the students to the economic problems in the modern state, and to train them to think clearly on economic subjects. The subjects considered are production, agricultural and industrial; distribution of wealth, the mechanism of exchange, economic institutions of money, banking, foreign exchange, markets; transportation, etc.

Students are required to write occasional short papers in connection with their private reading, and one short report on a specially assigned topic.

2nd Semester.

Introduction to Government and Politics, Dr. Fenwick and Miss Franklin. *Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Fenwick and one by Miss Franklin.)

The object of this course is to present the structure and organization of the government of the United States and of the government of the several states, together with an examination of the party system and its effects upon the actual operations of government. It is followed by a comparative study of the governments of Great Britain, France, and Germany.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Present Political Problems, Dr. Fenwick.

Five hours a week.

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to present the chief political problems that have arisen in recent years. The study of practical problems is preceded by a study of theories relating to the origin and nature of the state, its end or object, and the proper sphere of state activities, under which last heading the various theories of individualism, liberalism, and socialism will be studied. Modern reforms in federal, state, and city government are next studied, and particular stress is laid upon the extension of federal power in the United States and the relation between the Fourteenth Amendment and modern social and economic legislation adopted in the exercise of the police powers of the several states.

2nd Semester.

History of Economic Thought and Recent Economic Problems, Dr. Marion Parris Smith. *Five hours a week.*

The course is divided into two parts: Part I aims to give students an historical introduction as a basis for a critical study of modern economic problems. The students read in connection with this section parts of Adam Smith's *Wealth of Nations*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; and selections from the writings of John Stuart Mill, Jevons, Wicksteed, Boehm-Bawerk, and Pantaleoni.

In part II certain modern economic problems are considered in some detail: distribution under socialism, co-operation, profit sharing, the minimum wage, the eight-hour day, tax reforms, price fixing, etc. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Geology.

FREE ELECTIVE COURSE.

Elements of Law, Dr. Fenwick.

*One hour a week throughout the year.**(Given in each year.)*

(This course may be elected only by students who have studied economics and politics or modern history at least five hours a week for one year.)

The object of this course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of procedure. The lectures are supplemented by a study and discussion of court cases bearing on the subject.

**Free
Elective
Course.**

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

American Economic and Social Problems, Dr. Marion Parris Smith.

Three hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; problems of food distribution and marketing, cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

The Economic Background of American Foreign Trade, Dr. Marion Parris Smith.

Three hours a week throughout the year.

This course is divided into three sections with a brief historical introduction. Part I is devoted to American trade with Europe; Part II, Pan-American trade; Part III, Oriental trade. The general object of the course is to study the economic factors involved in American foreign trade, its extent and the chief problems presented and the degree of American dependence on the markets of other countries. Each student presents during the year a number of short reports which are discussed in the class. The aim of this method is to familiarize the students with the general subject, to give them certain precise bibliographical knowledge, and to afford some training in the arrangement and presentation of economic material.

International Law, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1920-21 and again in 1921-22.)

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the question of international reorganization at the present time stress is laid upon the problems involved in a League of Nations.

Constitutional Questions involved in Modern Social and Economic Problems, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1922-23.)

In this course the chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states when dealing with those subjects. Decisions of the federal and state courts form the basis of the course.

Municipal Government, Miss Franklin.

Two hours a week throughout the year.

(Given in 1921-22 and in each succeeding year.)

During the first semester the course deals with the historical development of municipal government, the causes of municipal corruption and disorganization, and the newer forms of constructive organization such as the commission and city-manager types of municipalities. On the basis of this introduction a study of municipal administration follows, covering such topics as municipal finance, town planning, public health, and sanitation. Class discussions and reports will be supplemented by observation trips and inspection of municipal departments in Philadelphia. In the second semester a comparative study is made of conditions in British, French and German municipalities.

GRADUATE COURSES.

Nine hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics.

Graduate Courses.

Three seminaries, one in economics, two in political science, are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is given in the Department of Social Economy. Post-major courses amounting to seven hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Economics Seminary, Dr. Marion Parris Smith.

Two hours a week throughout the year.

(Given in each year.)

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1920-21 Economic Theory and Economic History in the United States from 1790 to 1850 are studied.

In 1921-22 the Industrial Revolution and the Mechanical Revolution in Great Britain and in America in the eighteenth and early nineteenth centuries will be studied.

In 1922-23 the Tariff, Currency and Banking in the United States from 1790 to 1865 will be subjects of the seminary.

In 1923-24 the Theories and Problems of Distribution in the modern industrial states are studied. Special attention is paid to wage problems, the limitation of profits and profit sharing, income and excess profits taxation, land reforms, and projects for controlling monopolies.

Politics Seminary, Dr. Fenwick.

Three hours a week throughout the year

(Given in each year.)

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1920-21 the Constitutional Law of the United States is the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1921-22 Constitutional Questions involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

In 1922-23 Comparative Constitutional Government is the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign

power, and authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

Seminary in Municipal Government, Miss Franklin.

Three hours a week throughout the year.

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city-manager forms, are considered in the early part of the course. A study of modern municipal administration follows, including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises, the public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Economics and Politics Journal Club, Dr. Marion Parris Smith, Dr. Fenwick, and Miss Franklin.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity to obtain advanced scientific training in social and industrial advancement to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury,* Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Economy and Social Research; Dr. Neva Deardorff, Non-resident Lecturer and Associate Professor (elect) in Social Economy, Acting-Director of the Carola Woerishoffer Department for the year 1921-22; Miss Henrietta Additon, Non-resident Lecturer in Social Economy; Mrs. Eva Whiting White, Non-resident Lecturer in Social Economy; Miss Gladys Boone, Instructor in Social Economy; Dr. Alice Hamilton, Special Lecturer on Industrial Poisons; Dr. Valeria H. Parker, Special Lecturer on Social Hygiene; Miss Gwendolyn

* Granted leave of absence for the year 1921-22. The courses announced by Professor Kingsbury will be given by Dr. Neva Deardorff and by a substitute whose appointment will be announced later.

Hughes, Research Secretary of the Department of Social Economy and Social Research; with the co-operation of the following members of the closely allied departments of Economics and Politics, Psychology, Education, and Philosophy: Dr. Marion Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Professor of Political Science; Miss Marjorie Lorne Franklin, Instructor in Economics and Politics; Dr. Theodore de Leo de Laguna,* Professor of Philosophy; Dr. James H. Leuba,† Professor of Psychology; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Mr. Will Sentman Taylor, Lecturer in Psychology; Dr. Matilde Castro,* Professor of Education; Dr. Ada Hart Arlitt, Associate in Educational Psychology; Miss Georgiana Goddard King, Professor of the History of Art; Dr. Howard James Savage, Associate Professor of Rhetoric and Director of the work in English Composition; Dr. David Hilt Tennent, Professor of Biology, and Mr. Samuel Arthur King, Non-resident Lecturer in English Diction. The seminars and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergraduate students are admitted although graduate students in the department may elect, subject to the approval of the Director of the Department, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, sociology, psychology, philosophy, or history, and also preliminary work in psychology‡ sociology or biology, or should follow such courses while taking the work of the department.

*Pre-
requisites.*

* Granted sabbatical leave of absence for the year 1921-22. The courses offered by these professors will be given by substitutes whose appointments will be announced later.

† Granted sabbatical leave of absence for the year 1921-22. The courses offered by Professor Leuba will be given by Mr. Will Sentman Taylor.

‡ The importance of psychology may make it necessary to advise students without adequate preparation in this subject to take certain psychological courses as a part of their required work. In some fields of work laboratory courses should be included in the preparation.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and the remaining one-third to practical work in her chosen field. Students entering the department are expected to pursue the work throughout one year at least. After one year of work in this department one-half year may be given to a practicum in residence in a social service institution, in connection with a social welfare or community organization, in a federal or state department of labour and industry, in a federal or state employment office, or in a manufacturing or mercantile establishment in Philadelphia, New York, New England, or elsewhere, during which time the practical work and special reading and research will be supervised by the instructor in charge of the practicum and the head of the institution, department, or business firm. Students specializing in industrial relations and personnel administration are required to devote two months to work in an industrial or mercantile establishment during the summer following this work at the college. This work is carefully supervised by an instructor in the Department. Opportunities for summer practice in other fields are also arranged.

Practicum.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies, federal and state departments and manufacturers and merchants to secure for its students definite affiliation with practical work in the fields chosen by them. This has led in the years 1915-21 to an arrangement for co-operative work with the College Settlement, the Municipal Court, the Society for Organizing Charity, the Women's Trade Union League, the Social Service Department of the University of Pennsylvania Hospital, the Bryn Mawr Community Center, the Massachusetts Minimum Wage Commission, the Federal Children's Bureau, the Children's Aid Society, the Consumers' League, the Seybert Institution, the White-Williams Foundation, The American Red Cross, the U. S. Employment Service, and the State Department of Labour and Industry.

The following business firms are a few of those who have afforded opportunity for practical work in industrial supervision and employment management.

American Pulley Company, Atlantic Refining Company, Barrett Company, Bell Telephone Company, Edward G. Budd Manufacturing Company, A. M. Collins Company, Curtis Publishing Company, Henry Disston & Sons Company, Eddystone Munitions Works, General Electric Company,

American International Shipbuilding Corporation at Hog Island, Leeds Northrup Company, Link Belt Company, Midvale Steel Corporation, Miller Lock Company, Notaseme Hosiery Company, Fayette R. Plumb Company, John B. Stetson Company, Sutro Hosiery Company, John Wanamaker.

Graduates of Bryn Mawr College or of other colleges that have completed the required preliminary work in Economics and Psychology and are able to study for one year only will receive Certificates in Social Economy stating the courses they have completed satisfactorily.

*Certificates
and
degrees.*

Graduate students that have completed the required preliminary work who are able to study for two years will receive Certificates in Social Economy stating the courses they have completed satisfactorily.

The degrees of Master of Arts and of Doctor of Philosophy in Social Economy and Social Research are open to graduates of all colleges of high standing under the conditions prescribed for these degrees in Bryn Mawr College.

Six seminars, three including practicums, and five graduate courses, are given each year in the Carola Woerishoffer Graduate Department in addition to seminars and courses in economics, politics, education, philosophy, psychology, literature, and art. Direction of investigation and research in special fields, and supervision of the practicum in social and industrial welfare accompanies the seminars and courses. The seminars and courses announced by the department are given in rotation so that different courses may be taken in consecutive years. The selection of courses depends upon the field of Social Economy which the student may choose. A seminary in Social Economy or a seminary in Social Theory, and, unless previously taken, undergraduate courses in Elements of Statistics and in Articulation and Voice Production are required of all students of the department.

FREE ELECTIVE COURSES.

Elements of Statistics, Miss Boone.

One hour a week throughout the year,

(Given in each year.)

***Free
Elective
Courses.***

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation.

The course is recommended to students of social economy and of economics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Record Keeping and Social Investigation, Dr. Kingsbury.*

*One hour a week throughout the year.**(Given in each year.)*

The object of the course is to acquaint the student with the principles and methods of record keeping and filing which are applicable to municipal, state, and federal offices, to business organizations, and to social organizations and investigation, and with the methods of securing, analyzing, interpreting and presenting social data. The best systems in use will be analyzed and studied. Formulation of the various types of schedules, tabulation of information secured, and the framing of tables are among the subjects considered. The course concludes with a critical study of the methods used in social economic investigations, of sources of social statistical information, and of reports by federal and state departments and by private organizations.

POST-MAJOR COURSES.

Applied Sociology, Dr. Kingsbury.*

*Two hours a week throughout the year.**(Given in each year.)***Post-Major Courses.**

The first semester's work includes a brief survey of populations, especially of the United States, and a study of the racial, national, economic and social factors which determine standards of living. The course then considers the forces which contribute to the formation of society, the processes through which society has evolved and the final product in social institutions. This discussion having provided a concept of the nature of society affords a point of departure from which to consider social conditions and organized efforts for social betterment. In the second semester the course includes a survey of the origin, growth, and present methods of the most important social service organizations in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centers or other neighborhood organizations; (2) improvement of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) child welfare, through societies for care and protection of children; (4) family care, through organizations for the reduction and prevention of poverty; (5) social guardianship, through the probation work in the juvenile courts or corrective institutions.

This course is open to students who have attended the course in Minor Economics.

GRADUATE COURSES.

The following graduate seminars and courses may be elected subject to the approval of the Director of the Department by students working for the first and second year certificates as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research, or may be offered as the associated or independent minor with the approval of the Director of the Department when the major is taken in certain other departments according to the regulations of the Academic Council.

Seminary in Social and Industrial Research, Dr. Kingsbury.*

*Three hours a week throughout the year.**(Given in each year.)*

Research in Social Economy involves two distinct types of studies. First, that which uses manuscripts or printed documents as sources of information and second, that which secures data concerning human relations and social conditions from individuals, groups, organizations, or institutions. Both phases of social research necessitate an ability to discover cause and effect, to see the relations and interpret the interaction of social forces, to recognize and evaluate the factors conditioning or controlling social situations, and to establish facts concerning social phenomena.

* See footnote, page 100.

Consequently, training in the acquisition, arrangement, analysis, and interpretation of data is essential for students undertaking either phase of social research. As other seminars in the Department and allied departments deal primarily with the first type of studies, this seminary is devoted exclusively to the second type. A subject is selected and arrangements made which will require students to secure social data by work in the field. The material is then organized, analyzed, and interpreted by the members of the seminary. In this way, training is given in filling out schedules, classifying data, drawing up tables, analyzing results, and interpreting material as a whole. The group of students may cooperate to produce a study which it is hoped will prove a contribution to our knowledge of social or industrial conditions.

In 1920-21, the seminary concluded a survey of the community of Bryn Mawr and initiated an investigation of industrial conditions affecting women.

In 1921-22, the seminary will be conducted by Dr. Deardorff, and the subject will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) vocational opportunities and demands, (3) standards of living, including income and wages, (4) the relation of health and industry, (5) industrial relations of women and minors.

As the chief subjects of investigation will vary from year to year, as noted above it will be possible for students to follow the work of the seminary for two consecutive years.

Seminary in Races and Peoples, Dr. Deardorff.

Two hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

A study is made of the definitions of race, of theories regarding the origin and evolution of races, and of the sociological characterization of peoples. This is followed by studies in special problems of immigration and assimilation in the United States.

Seminary in the Family as a Social Institution, Dr. Deardorff.

Two hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

A study is made of theories regarding the origin and evolution of the family as a social institution; such as the patriarchal theory, the theory of the horde and mother-right, and the theory of the monogamous or pairing family. In connection with these theories are considered the questions of original communism, polygamy, polyandry, monogamy, exogamy, endogamy, wife-capture, wife-purchase, marriage contracts, and divorce, and finally modern theories as to the future of the family and its relation to the other social institutions.

Seminary in Labor Organization, Miss Boone.

Two hours a week throughout the year.

(Given in each year.)

A knowledge of the general concepts of labor economy and of the outline of Labor Organization history is assumed. The seminary begins with a survey of the history of Labor Organization in the United States showing the parallelism between the growth of Labor Organizations and of Industrial Organization and Employers' Associations and also showing the influence of European labor movements and successive waves of immigration. It then discusses present union groups in America, types and principles of organization and union policies and practices. These are linked up with the theories of the Labor Movement and it is shown that both theory and practice are conditioned by the law relating to labor.

The development of a better understanding between employer and employee is traced through the early phases of collective bargaining to modern schemes such as the National Industrial Councils in Great Britain, the national agreements in the clothing and printing trades in the United States and experiments in cooperative production.

Seminary in Research in Labor Problems, Miss Boone.

Two hours a week throughout the year.

(Given in each year.)

This seminary must be preceded by the seminary in Labor Organization or its equivalent. The general field of research is that covered by the Seminary in Labor Organization and

some phases of the course in Industrial Supervision and Personnel Administration. The special subjects treated are determined by the urgency of current problems or the particular interests of the students. Material collected by the students is discussed in conference and presented in reports.

Seminary in Social Education, Dr. Castro.

Two hours a week during the second semester.

(Given in 1920-21.)

The Essentials of Educational Theory and Practice for Community Workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Industrial Organization. *Two hours a week throughout the year.*

(Given in 1921-22 and in each succeeding year.)

This seminary undertakes a study of business organization as an element in industrial society. The aspects of the industrial combination in its effects upon efficiency and wages are especially emphasized. The purpose is also to present the standard practice in industrial organizations and management. It gives a conception of the entire plant structure in order to suggest possibilities of cooperation between departments, and to insure an understanding of their difficulties. It will concern itself with the location and equipment of a plant and its administration, including functions of the officials and departments and their inter-relations in all stages from purchasing and employing to marketing. This seminary will be conducted by an instructor whose appointment will be announced later.

Psychological Seminary, Dr. Leuba.

Two hours a week throughout the year.

(Given in 1920-21 and again in 1922-23.)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.); animal behaviour.

Seminary in Social Psychology, Dr. Leuba.*

Two hours a week during the first semester.

(Given in each year.)

In 1920-21 and again in 1922-23, the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1921-22 the seminary will be conducted by Mr. Will Sentman Taylor. The subject will be an introduction to social psychology with a study of its applications to social problems.

In 1923-24, Temperament and Character, their instinctive and emotional foundation, will be the subject of the seminary.

This seminary is open to students who have pursued an elementary course in psychology. It may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.*

Two hours a week during the second semester.

(Given in each year.)

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of per-

* See footnote, page 101.

sonal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in philosophy. It may be elected separately or may be combined with the seminary in Social Psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Social Economy Applied to Community Organization and Administration, Dr. Kingsbury* and Mrs. White.

Two hours a week throughout the year.

(Given in each year.)

This seminary includes the Practicum in Community Organization and Administration. It combines practical work in social and community education with reports and discussions. It must be accompanied by the course in Community Organization and must be preceded or accompanied by the seminary in Social Education—Essentials of Educational Theory and Practice for Social Workers—or its equivalent. In addition to reports and conferences, seven or twelve hours a week, according to election, are devoted to active work in a social center or settlement by which the student gains vital illustration of the principles and organization of community work.

The practice work is so arranged as to give to the student training in the following activities:

(1) Direction and teaching of clubs and classes as observers, visitors, helpers and assistants.

(2) Regular daily management as assistants and later as directors.

(3) General administrative assistance in office work, including record-keeping, in library work, in activities to secure publicity, in preparation of newspaper articles, reports, posters, exhibits, parades, dramatics, plays, festivals, demonstrations, concerts, and lectures, in public speaking and writing, and in conducting financial campaigns and special studies.

(4) Teaching in night schools of classes in civics and elementary subjects, and conducting games, dramatics, gymnastics, playgrounds and kindergarten activities.

(5) Co-operation with civic movements, community campaigns and emergency activities, school programs and publicity.

Training in the theory and supervision of practice in Physical Education may accompany this seminary.

Two or three months of non-resident practice in social centers and settlements, playgrounds or fresh-air camps may be arranged for the summer following the resident work at Bryn Mawr.

The fields from which the subject for the practicum may be chosen are community, civic and social centers, settlements, playgrounds, and health and recreation centers, and have included the Bryn Mawr Community Center, The Philadelphia College Settlement and work in smaller neighboring communities.

Seminary in Social Economy Applied to Social Relief and Social Guardianship, Dr. Deardorff and Miss Additon. *Two hours a week throughout the year.*

(Given in each year.)

This seminary includes the Practicum in Social Relief and Social Guardianship. It must be accompanied by the course in Social Treatment of Dependents, Delinquents, and Defectives. Field work is carried on 7 to 12 hours per week according to election with such agencies as the following: The Philadelphia Society for Organizing Charities; The Home Service Departments of the Red Cross; The Children's Bureau, an agency which investigates all complaints concerning children; The Children's Aid Society, a child-placing agency; The White-Williams Foundation; Hospital Social Service Departments and the various departments of the Municipal Court, such as the Probation, Statistical, Employment Agency and Psychological Departments.

The field work with these agencies is under the supervision of Dr. Deardorff and Miss Additon and of the director of the particular agency or department. In addition to the regular practice work, students are taken on observation trips to courts, almshouses, orphanages, asylums, institutions for the feeble-minded, the blind, the crippled, hospitals, etc.

* See footnote, page 100.

Seminary in Social Economy Applied to Industrial Supervision and Personnel Administration, Miss Boone. *Two hours a week throughout the year*

(Given in each year.)

This seminary includes a practicum in Industrial Supervision and Personnel Administration, and consists of 7 or 12 hours field work per week in industrial experience in or near Philadelphia and two months of non-resident industrial experience. During the period of residence at Bryn Mawr, the field work is devoted to assisting in an employment office, while group observation trips are regularly arranged. In the non-resident period the student, in addition to experience in the employment office, by being transferred from process to process, is enabled by plant supervision to see not only the conditions of work but the adjustment of employment problems to the other factors of industry. Experience may also be afforded in the state employment service and in factory inspection. In connection with this seminary each student must take the course in Industrial Supervision and Personnel Administration, and must precede or accompany it by the Seminary in Labor Organization or the equivalent.

Social Treatment of Dependents, Delinquents and Defectives, Dr. Dearsdorff and Miss Additon. *Two hours a week throughout the year.*

(Given in each year.)

This course aims toward the preparation of the student to handle the individual case problems arising out of dependency, defect and delinquency. This involves a study of the methods of investigation of the individual case, the objectives and methods of treatment, the agencies, both public and private, for giving expert services, special forms of care and assistance and legal custody. Studies are made of the adaptation of fundamental principles of investigation and treatment to particular forms of social maladjustment and physical and mental defect. The student is acquainted with the theories of social responsibility with reference to these classes, of preventive measures already in effect, and of opportunities to extend preventive measures.

The following courses are open to graduate students by special arrangement:

Criminal Law.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course may accompany the course in Social Treatment of Delinquents and Defectives (Crimonology).

Criminal Procedure.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Industrial Supervision and Personnel Administration, Miss Boone.

Two hours a week throughout the year.

(Given in each year.)

The course deals with the problems and technique of Personnel Administration. It considers the organization and functions of a personnel department and the relation of that department to the industrial or commercial organization. The practical problems of building up and maintaining a stable working force are discussed and in this connection emphasis is laid on the analysis of labor turnover and on the training and supervision of employees. The course also presents the possibilities of cooperation between the personnel department and public employment services, the schools and recreational and educational agencies supported by the community at large.

Any outline of this course must be somewhat tentative as the experience drawn upon in its presentation is constantly changing and increasing and much of the material is obtained from current publications. The following survey suggests the scope of the course:

- I. Personnel Administration: function; scope; fundamental problems.
- II. Employment Management: selection of employees:—sources of labor supply; job analysis and specifications; applications and interviews; physical examinations; tests.
- III. Training and Instruction: for foreman; for minor executive; for new employees; for promotion.
- IV. Maintenance of Working Force:
 - (a) Conditions of Employment: wages; hours of labor; health and safety; scientific management.
 - (b) Relation of Management to Workers: follow-up; promotions and transfers; absenteeism and tardiness; discipline and complaints; service work; employee representation.
- V. Organization of a Personnel Department: plan of organization; survey of plant; office equipment; records and files.
- VI. Relation to Other Executives: production manager; foreman; industrial engineer; safety engineer; sanitary expert; fatigue expert; sales manager.
- VII. Relations with Community: schools; industrial education; organizations; government boards; movements for improved industrial housing and proper transportation for personal and social development and recreation and for social care and aid; industrial commissions.

The course must be preceded or accompanied by the seminary in Labor Organization or Industrial Organization or the equivalent, and by the seminary in Social Economy, including the Practicum in Industrial Supervision and Personnel Administration.

Advanced Statistics, Miss Boone.

Two hours a week throughout the year.

(Given in each year.)

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, skew distribution, partial correlation, and the theory of contingency.

The course must be preceded by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension.

If accompanied by the Special Research in Statistics the course becomes equivalent to a seminary.

Special Research in Statistics, Miss Boone.

Seven hours of laboratory work a week throughout the year.

(Given in each year.)

This course including laboratory analysis and reports is offered in each year in connection with the course in Advanced Statistics and the two courses taken together are equivalent to a seminary.

Community Organization, Mrs. White.

Two hours a week throughout the year.

(Given in each year.)

The theory upon which community work is based and the technique used in its conduct are presented in this course to accompany the field practice which is carried on under the Seminary in Social Economy Applied to Community Organization. Experience of the student in the field is constantly used to exemplify the principles formulated.

In the first semester the following subjects are covered:

- (1) A study of the history of the development of the community, of its physical aspects and its political and social organization.
- (2) Analysis of Primary and Universal Groups including the relation of the individual to these groups.
- (3) Survey of the Field of Social Work. The place of Community Organization in the progress of society.

(4) Major industrial, social, and political problems and the application of the findings of sociology, economics, psychology, political science to the solving of those problems.

(5) Principles of Case Work to be used in Community Organization.

In the second semester the work includes:

(1) First steps in organizing a community including methods of approach to strategic groups and to strategic individuals. Formation of a representative governing body. The community survey. Method of deciding on a program of action.

(2) Questions of management. Committee organization. Staff organization. Budget making and accounting. Records. Office systems. Selection, training, and supervision of volunteers. The community building; its equipment and operation.

(3) Community finance and Publicity. The Community Chest. The growth of local federations of social and civic agencies.

(4) Group Organization. The club, class or society. Age groupings. Special interest groups. Methods of gauging the personal and social needs of the individual through group action. Educational, civic, social, recreational programs for groups.

(5) Units of Community Organization: city or town, neighborhood, block.

(6) Community Cooperation with city or town governments, with public health agencies, with schools, with social and philanthropic agencies, with civic bodies and with churches.

(7) Public and private forms of Community Organization. Use of schoolbuildings and of libraries as community centers. The development of public recreation systems, playgrounds and parks. Extension work of national departments. The program of the Red Cross, of Community Service, and the Social Settlement. The local improvement society and the Community Council.

The course also takes up the question of legislative procedure, town planning, housing, the cooperative movement, and citizenship programs.

Community Art, Miss King.

Two hours a week throughout the year.

(Given in each year.)

A special course will be given in Community Art, to show the methods of developing group expression in music, dramatics, pageantry, dancing, literary expression, architecture, graphic and plastic arts. This course prepares the student of artistic ability to use her best gifts in bringing out the artistic expression of the community. The purposes of educational dramatics, pageant and festival forms, qualifications of directors, principles of casting, costuming and stage direction are included in the division on community dramatics. In a similar way the movement for community music, civic architecture, writing, painting or sculpture which are spontaneous expressions of the people are included in other divisions of the course.

Technical and Advanced Criticism, Dr. Savage.

Two hours a week during the first semester.

(Given in each year.)

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

General Course in Articulation and Voice Production, Mr. King.

One half hour a week throughout the year.

(Given in each year.)

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Social Hygiene, Dr. Parker.

One hour a week during the first semester.

This course is open only to Students of the Department of Social Economy and Social Research.

Economic Seminary, Dr. Marion Parris Smith.

*Two hours a week throughout the year.**(Given in each year.)*

In 1920-21 Economic Theory and Economic History in the United States from 1790 to 1850 are studied.

In 1921-22 the Industrial Revolution and the Mechanical Revolution in Great Britain and in America in the eighteenth and early nineteenth centuries will be studied.

In 1922-23 the tariff, currency and banking in the United States from 1790 to 1865 will be the subjects of the seminary.

In 1923-24 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, land reforms, and income and excess profits taxation, and projects for controlling monopolies.

Political Seminary, Dr. Fenwick.

*Three hours a week throughout the year.**(Given in each year.)*

In 1920-21 Constitutional Law of the United States is the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1921-22 Constitutional questions involved in modern economic and social problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution on the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the State are discussed.

In 1922-23 Comparative Constitutional Government will be the subject of the seminary. The object will be to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised will be the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

Seminary in Municipal Government, Miss Franklin.

*Three hours a week throughout the year.**(Given in each year.)*

This seminary deals with the structure and functions of modern municipal government, The legal relation of the city to the state, city charters, various types of city government, including the commission and city manager forms, are considered in the early part of the course. A study of modern municipal administration follows including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Seminary in Educational Methods and Measurements, Dr. Castro.*

*Two hours a week throughout the year.**(Given in each year.)*

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Intelligence Tests, Dr. Arlitt.

Two hours a week throughout the year.

* See footnote, page 101.

Laboratory Work.*Four hours a week throughout the year.**(Given in each year.)*

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Seminary in Applied Psychology, Dr. Rand.*Two hours a week throughout the year.***Laboratory Work.***Four hours a week throughout the year.**(Given in each year.)*

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Applied Psychology, Dr. Rand.*Four hours a week throughout the year.**(Given in each year.)*

This course is offered in connection with the course in Applied Psychology to students who wish to pursue more advanced work.

Social Economy Journal Club, Dr. Kingsbury, Miss Boone, Dr. Deardorff and Miss Additon.*Two hours once a fortnight throughout the year.*

Current books and articles are reviewed, recent reports, surveys, and investigations are criticized, and the results of important research are presented for discussion.

Philosophy.

The instruction in this department is under the direction of Theodore de Leo de Laguna,* Professor of Philosophy, Dr. Grace Mead Andrus de Laguna,* Associate Professor of Philosophy, and Dr. Ethel Ernestine Sabin, Associate in Philosophy.

The instruction offered in this department covers eighteen and a half hours of lectures a week: it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; and six hours a week of graduate work.

A course in philosophy, five hours a week throughout one

* Granted sabbatical leave of absence for the year 1921-22. The courses offered by Dr. Theodore de Laguna and by Dr. Grace Mead Andrus de Laguna will be given by substitutes whose appointments will be announced later.

semester, and a course in psychology, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, mathematics, or physics.

A combination of five hours a week for one year of the minor course in philosophy with five hours a week for one year of the minor course in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

Introduction to Philosophy, Dr. Theodore de Laguna,* Dr. Grace de Laguna* and Dr. Sabin.

Five hours a week during the second semester.

Required Course.

(Given in each year.)

(The class is divided into three sections and each section assigned to a different instructor for each half of the semester.)

The course consists of discussions of certain fundamental problems of metaphysics based as far as possible upon recent philosophical literature. Every effort will be made to foster independence and sincerity of thought rather than to impress upon the students any system of philosophical dogmas.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Elementary Ethics, Dr. Theodore de Laguna.*

Five hours a week.

The course begins with a survey of the development of moral standards in the course of human progress from primitive to modern conditions. This is followed by a critical study of the theory of moral values, with especial reference to the phenomena of moral evolution. The concluding weeks are devoted to an introduction to the more general problems of Social Philosophy in their bearing upon the ideals of English and American liberalism.

Major Course.

2nd Semester.

History of Philosophy, Dr. Grace de Laguna.*

Five hours a week.

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza; Leibniz, Locke, Berkeley, and Hume.

1st Semester.

SECOND YEAR.

From Kant to Spencer, Dr. Sabin.

Five hours a week.

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, John Stuart Mill, and Spencer.

* See footnote, page 112.

2nd Semester.

Recent Philosophical Tendencies, Dr. Theodore de Laguna.*

Five hours a week.

The object of this course is to give the student an introduction to the most important and significant recent movements of thought. Among the theories discussed are neo-realism, the pragmatism of James and Dewey, and the intuitionism of Bergson.

Group: Philosophy with Greek, *or* with Latin, *or* with English, *or* with Economics and Politics, *or* with Psychology, *or* with History of Art *or* with Mathematics, *or* with Physics, *or* with Geology; Philosophy and Psychology with Greek *or* with English *or* with Economics and Politics *or* with Mathematics *or* with Physics.

GRADUATE COURSES.

Graduate Courses.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research.

A seminary in the history of philosophy is offered each year and a seminary in ethics and one in logic and metaphysics are offered in alternate years. A seminary in social and political philosophy is offered in the second semester of each year. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Seminary in Ethics, Dr. Theodore de Laguna.

*Two hours a week throughout the year.**(Given in alternate years.)*

In 1920-21 the subject is the philosophy of Rousseau. In the first semester the political theory is studied, and in the second the theories of Education, Art, Morals and Religion.

In 1922-23 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, will be the subject of the seminary. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

Seminary in the History of Philosophy, Dr. Theodore de Laguna.

*Two hours a week throughout the year.**(Given in alternate years.)*

In 1921-22* the subject of the seminary is English Empiricism. Special attention is paid to its connection with Associationism and to the development of the theory of scientific method.

In 1923-24 the philosophy of Plato will be discussed in the seminary. Special attention will be paid to the earlier dialogues, to the development of the theory of ideas and the relation of this theory to the teachings and method of Socrates.

* See footnote, page 112.

Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.**Two hours a week during the second semester.**(Given in each year.)*

The topics chosen for discussion vary from year to year. Prominent among them are: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Logic and Metaphysics, Dr. Grace de Laguna.*Two hours a week throughout the year.**(Given in alternate years.)*

In 1921-22* Inductive and Genetic logic is the subject of the seminary. The theories of Sigwart, Mill, Whewell, Bradley, Bosanquet, and Dewey are the basis of investigations.

In 1923-24 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton will be the subject of the seminary.

Seminary in the History of Philosophy, Dr. Sabin.*Two hours a week throughout the year.**(Given in alternate years.)*

In 1920-21 Descartes and Spinoza are studied with special reference to their view of the relation between idea and object.

In 1922-23 the philosophy of Kant will be the subject of the seminary. The principal writings of the critical period are read and a careful study is made of the final organization of Kant's system in the *Critique of Judgment*.

Philosophical Journal Club, Dr. Theodore de Laguna,* Dr. Grace de Laguna,* and Dr. Sabin.*Two hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba,† Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Applied Psychology, and Dr. Ethel Ernestine Sabin, Associate in Philosophy, Mr. Will Sentman Taylor, Lecturer in Psychology, Miss Margaret Montague Monroe, Assistant Demonstrator in Experimental

* See footnote, page 112.

† Granted sabbatical leave of absence for the year 1921-22. The courses offered by Professor Leuba will be given by Mr. Will Sentman Taylor.

Psychology, and Miss Louise Littig Sloan, Assistant Demonstrator in Applied Psychology.

The instruction offered in this department covers twenty-four and a half hours of lectures a week; it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective work and twelve hours a week of graduate work.

A course in psychology, five hours a week throughout one semester, and a course in philosophy, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in Greek, English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of five hours a week for one year of the minor course in psychology with five hours a week for one year of the minor course in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

**Required
Course.**

Psychology, Dr. Leuba* and Dr. Sabin.

Five hours a week during the first semester.

(Given in each year.)

(The class is divided alphabetically into sections, one conducted by Dr. Leuba and one conducted by Dr. Sabin, the instructors of the divisions being interchanged in the middle of the semester.)

The text-book used is Pillsbury's *Fundamentals of Psychology*. In connection with the lectures there are experimental demonstrations.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

**Major
Course.**

Experimental Psychology, Dr. Ferree and Dr. Rand.

Five hours a week.

Laboratory work, Dr. Ferree and Dr. Rand.

Four hours a week.

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Special stress is laid on the comparative study of methods. The laboratory work consists of individual practice in selected topics.

* See footnote, page 115.

2nd Semester.

The Psychology of Instinct and Emotion, and Animal Behaviour,
Dr. Leuba.* *Five hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Science, and Art, Dr. Leuba.* *Five hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week in the second semester. Experimental psychology is not a prerequisite. May be taken as a free elective.)

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a community, a crowd, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology.

2nd Semester.

Applied Psychology, Dr. Rand. *Five hours a week.*

Laboratory work, Dr. Rand. *Four hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week during the first semester. May be taken as a free elective.)

The specific applications of psychology form the subject-matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of mental equipment and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Group: Psychology with Greek, or with English, or with Economics and Politics, or with Philosophy, or with Mathematics, or with Physics, or with Biology, or Philosophy and Psychology with Greek, or with English, or with Economics and Politics, or with Mathematics, or with Physics.

FREE ELECTIVE COURSE.

Advanced Experimental Psychology, Dr. Ferree.

*Two hours a week throughout the year.**(Given in each year.)*

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will cooperate with the students in the solution of some original problems. A reading knowledge of French and German is required.

**Free
Elective
Course.**

* See footnote, page 115.

GRADUATE COURSES.

Graduate Courses.

Twelve hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Psychological Seminary, Dr. Leuba.*Two hours a week throughout the year.**(Given in each year, but omitted in 1921-22.)*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.)

Seminary in Social Psychology, Dr. Leuba.**Two hours a week during the first semester.**(Given in each year.)*

In 1920-21 and again in 1922-23 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1921-22 the seminary will be conducted by Mr. Will Sentman Taylor. The subject will be an introduction to social psychology with a study of its applications to social problems.

In 1923-24 abnormal psychology, chiefly mental and moral deficiency, and its social implications; or temperament and character and their instinctive and emotional foundation will be studied.

This seminary together with the seminary in Social Philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Seminary in Experimental and Systematic Psychology, Dr. Ferree.*Three hours a week throughout the year.**(Given in each year.)*

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

* See footnote, page 115.

Seminary in Research Methods and Problems, Dr. Ferree and Dr. Rand.

*Three hours a week throughout the year.**(Given in each year.)*

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Seminary in Applied Psychology, Dr. Rand.

Two hours a week throughout the year.

Laboratory Work, Dr. Rand.

Four hours a week throughout the year.

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults and adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests and their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reactions to the tests as well as practice in giving the tests. Later the work is with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Seminary in Special Laboratory Problems in Applied Psychology, Dr. Rand.

*Four hours a week throughout the year.**(Given in each year.)*

This course is offered to students who have attended the seminary in Applied Psychology and wish to pursue more advanced work.

Psychological Journal Club, Dr. Leuba,* Dr. Ferree, and Dr. Rand.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.

The laboratory work consists of individual practice and research.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne School.

The instruction in Education is under the direction of Dr. Matilde Castro,† Professor of Education and Director of the Phebe Anna Thorne School, and Dr. Ada Hart Arlitt, Associate in Educational Psychology.

The work of the Graduate Department of Education is intended for graduate students only. No undergraduate

* See footnote, page 115.

† Granted sabbatical leave of absence for the year 1921-22. The courses offered by Professor Castro will be given by a substitute whose appointment will be announced later.

students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The undergraduate courses in education amounting to ten hours a week are given in courses of two and three hours a week and may be elected separately. The graduate courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College and of other colleges of high standing under the general conditions prescribed for the degree of Master of Arts. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted to the primary department at six years of age and to the elementary course at nine or ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven or eight years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. It is believed that the opportunity of studying the newest approved methods of secondary teaching will

enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

FREE ELECTIVE COURSES.

Education, Dr. Castro.*

Two hours a week throughout the year.

(Given in each year.)

**Free
Elective
Courses.**

The course interprets modern educational problems from the standpoint of their social setting; develops the psychological principles underlying the technique of teaching and demonstrates their application; and discusses the treatment of children individually and in groups in school and extra-school activities.

It is conducted as a general survey course covering the subject-matter indicated, or various topics are stressed and studied more intensively according as the interests of the class vary from teaching to social work or to a more general interest in educational problems.

The Psychology of Childhood, Dr. Castro.*

Three hours a week throughout the year.

(Given in 1921-22 and in each succeeding year.)

The course traces the mental, moral, and physical development of children from infancy through adolescence. A comparative study is made of the psychology of deficient, normal, and gifted children, and attention is given to their educational treatment.

Experimental Educational Psychology, Dr. Arlitt.

Three hours a week throughout the year.

Laboratory Work, Dr. Arlitt.

Two hours a week throughout the year.

(Given in each year.)

In the first semester a study is made of sensori-motor learning, perceptual learning, and learning of the problem-solving type. Particular emphasis is laid on the conditions and methods of efficient study and on the training of memory.

In the second semester the course takes up the study of school subjects from the point of view of laboratory experimentation and a survey of the field of group and individual tests and educational scales and measurements.

History of Education, Dr. Arlitt.

Two hours a week throughout the year.

(Given in 1921-22 and in each succeeding year.)

The course considers the great educational movements in the light of their historical development. Emphasis is laid on the extent to which these movements influenced and were influenced by the social life and customs of the periods in which they originated.

GRADUATE COURSES.

In addition to six seminaries in education, there are offered in each year observation classes in the Phebe Anna Thorne Model School. The Department of Education also conducts an Educational Clinic in which examinations are made and advice given in regard to cases of retardation in special school subjects, general retardation or any other maladjustment to school environment. Students electing education as their major subject for the degree of Doctor of Philosophy may elect educational psychology, educational methodology, economics, social economy, social psychology, or experimental and systematic psychology, as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

**Graduate
Courses.**

* See footnote, page 119.

Seminary in Educational Methods and Measurements, Dr. Castro*.*Two hours a week throughout the year.**(Given in each year.)*

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Advanced Experimental Educational Psychology, Dr. Castro* and Dr. Arlitt.*Two hours a week throughout the year.***Laboratory Work.***Four hours a week throughout the year.**(Given in each year.)*

The seminary considers the main categories of educational psychology from a theoretical and experimental point of view, and studies especially the psychology of school and high school subjects. If the student's training in psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements or the requisite undergraduate work in education.

Seminary in Social Education, Dr. Castro.*Two hours a week during the first semester.**(Given in 1920-21.)*

The essentials of educational theory and practice for social workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Research Problems in Educational Psychology, Dr. Castro* and Dr. Arlitt.*Two hours a week throughout the year.**(Given in each year.)*

This seminary is open only to candidates for the degree of Doctor of Philosophy.

Seminary in Intelligence Tests, Dr. Arlitt.*Two hours a week throughout the year.***Laboratory Work.***Four hours a week throughout the year.*

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Advanced History of Education, Dr. Arlitt.*Two hours a week during the first semester.***Philosophy of Education, Dr. Castro.****Two hours a week during the second semester.**(Given in 1921-22 and in each succeeding year.)*

These two courses taken together are equivalent to one seminary and are given in the first semester by Dr. Arlitt and in the second semester by Dr. Castro. Students electing this seminary must have previously taken two seminaries in Education.

Journal Club in Education, Dr. Castro* and Dr. Arlitt.*Two hours once a fortnight throughout the year.*

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

* See footnote, page 119.

Classical Archæology.

The instruction in this department is under the direction of Dr. Rhys Carpenter, Professor of Classical Archæology, Dr. William Cave Wright, Professor of Greek, and Dr. Mary Hamilton Swindler, Associate in Latin and Archæology.

Two archæological seminaries of two hours a week each and a graduate lecture course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

Undergraduate courses of three hours a week and two hours a week are offered affording an introduction to the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Art and Life in Hellenistic Towns, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Architecture, Greek and Roman Minor Arts, and Ancient Painting and Vases. The elective courses in Greek Religion and Greek Myths and Literary Geography of Greece and Asia Minor may be substituted for the courses in Hellenistic Towns and Ancient Rome.

The undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison. In connection with graduate courses the students have access to the collections belonging to the department containing replicas of Greek and Roman coins, facsimiles of gems and seals, and a collection of original vase fragments, many of which are by known masters.

FIRST YEAR.

(*Minor Course.*)

Greek Sculpture, Dr. Carpenter.

Three hours a week throughout the year.

(*Given in each year.*)

**Major
Course.**

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Art and Life in Hellenistic Towns, Dr. Carpenter.

Two hours a week during the first semester.

(*Given in each year.*)

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Ancient Rome, Dr. Swindler.*Two hours a week during the second semester.**(Given in each year.)*

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

Greek Religion and Greek Myths, Dr. Wilmer Cave Wright.*Two hours a week during the first semester.**(Given in 1919-20 and again in 1921-22.)*

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

Literary Geography of Greece and Asia Minor, Dr. Wilmer Cave Wright.*Two hours a week during the second semester.**(Given in 1919-20 and again in 1921-22.)*

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history.

SECOND YEAR.*(Minor Course.)***Ancient Architecture, Dr. Carpenter.***Three hours a week throughout the year.**(Given in 1919-20 and in each succeeding year.)*

An introductory outline of Egyptian, Cretan, Assyrian, Persian, and Mycenaean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times.

Greek and Roman Minor Arts, Dr. Carpenter.*Two hours a week during the second semester.**(Given in 1919-20 and in each succeeding year.)*

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silverware, and similar objects, mainly for their artistic and cultural interest. The first six lectures deal with Cretan and Mycenaean art. This course supplements that on Greek vase-painting given in the first semester.

Ancient Painting and Vases, Dr. Swindler.*Two hours a week during the first semester.**(Given in each year.)*

The course traces the development of ancient painting. The material studied includes Egyptian and Cretan frescoes, Greek vases, Pompeian wall paintings and the paintings from Etruscan sites.

Group: Classical Archæology with Greek *or* with Latin.

GRADUATE COURSES.**Graduate Courses.**

Two seminaries in archæology, a graduate course, and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Archæological Seminary, Dr. Carpenter. *Two hours a week throughout the year.*
(Given in each year.)

This seminary is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1920-21 fifth century Greek sculpture is the subject of the seminary.

In 1921-22 Greek minor arts (coins, gems, terra-cotta) will be studied.

In 1922-23 Greek Architecture will be studied in the first semester, and Roman architecture in the second semester.

Greek Epigraphy, Dr. Carpenter. *One hour a week throughout the year.*
(Given in each year.)

In the first semester the origin of the Greek alphabet and the epichoric forms are studied. Roehl's *Imagines* and Part I of Robert's *Introduction to Greek Epigraphy* are used as textbooks. In the second semester a variety of inscriptions of artistic and topographic interest are read. The emphasis is archæological rather than linguistic or politico-historical.

Archæological Seminary, Dr. Swindler. *Two hours a week throughout the year.*

In 1920-21 Etruscan and Roman Archæology is the subject of the seminary. A survey of Etruscan sites and monuments is followed by a study of the monuments of Rome from the earliest times down to the Age of Constantine.

In 1921-22 the subject of the seminary during the first semester will be Aegean Archæology with emphasis on the recent discoveries in Crete. During the second semester the subject will be Ancient Painting, including a detailed survey of Cretan frescoes, painted plaques, stelae, and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration, and the mummy portraits from the Fayum.

In 1922-23 Greek vases will be the subject of the seminary with special reference to the vase masters of the fifth century.

Archæological Journal Club, Dr. Carpenter and Dr. Swindler.
One and a half hours a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Professor of the History of Art, and Miss Helen E. Fernald, Instructor in the History of Art, and Mr. George Rowley, Instructor (elect) in the History of Art.

Two seminaries of two hours a week and a journal club of one hour a week are offered to graduate students who have done elementary work in history of art. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week on painting, sculpture and architecture.

All the courses are illustrated with lantern slides, and photographs are available for review and comparison.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

Three hours a week throughout the year.

(May be taken as a free elective.)

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Art of the Far East, Mr. Rowley.

Two hours a week throughout the year.

(May be taken as a free elective.)

The aim of the course is to give a comprehensive view of the art of China and Japan from the most ancient bronzes of China to the late school of Japanese colour prints. Emphasis, however, will be laid upon painting, especially the great art of the T'ang and Sung dynasties in China, which is taken up in the first semester. In the second semester painting in Japan is considered, with special attention to the work of Sesshiu and his followers, that of the Kano and Korin schools, and to the school of Japanese colour prints. It is illustrated with photographs, lantern slides, Shimbi Shoin reproductions, and also some originals. This course was given as a major and elective course by Miss Fernald in 1920-21.

Mediæval Architecture, Miss King.

Two hours a week throughout the year.

(*Given in 1920-21.*)

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to Byzantine architecture and the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

SECOND YEAR.

(*Given in 1921-22.*)

Renaissance Sculpture, Miss King. *Three hours a week during the first semester.*

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the finishing of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

Great Painting in the Seventeenth Century, Mr. Rowley.

Two hours a week during the first semester.

After sufficient consideration of the Flemish painters and Dürer the course is devoted to the art of Rembrandt, Hals, and Velasquez, concluding with the little masters of Holland.

Renaissance and Modern Architecture, Mr. Rowley.

Three hours a week during the second semester.

The architecture of the Italian Renaissance is studied in the first part of the semester, that of France, Germany, Spain and England later. Lantern slides and photographs are used for illustration.

Modern Painting, Miss King. *Two hours a week during the second semester.*

This course deals with the history of painting since 1800 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighborhood to study pictures as often as may seem necessary.

SECOND YEAR.

(Given in 1922-23 and in each succeeding year.)

Mediæval Art, Byzantine and Romanesque, Miss King.

Three hours a week during the first semester.

Byzantine art in its various aspects will be studied in the early part of the semester and the question of its origin considered. The latter part of the time will be devoted to architecture and the allied arts in Italy, Germany, France and Spain up to the close of the Romanesque period.

Great Painting in the Seventeenth Century, Mr. Rowley.

Two hours a week during the first semester.

(This course will be given as in 1921-22.)

Mediæval Art, Gothic, Mr. Rowley.

Three hours a week during the second semester.

The work of the first semester will be continued, tracing the course of Gothic art down into the Renaissance.

Modern Painting, Miss King. *Two hours a week during the second semester.*

(This course will be given as in 1921-22.)

Group; History of Art with English, or with French, or with Spanish, or with German, or with History, or with Philosophy.

FREE ELECTIVE COURSES.

Minor Arts of the Middle Ages, Miss King.

Two hours a week throughout the year.

(Given in 1920-21.)

The lectures deal, in succession, with ivories, miniatures, enamels, stained glass, metal work, wood-carving and architectural sculpture, from the decline of Roman art until the beginning of the Renaissance. Photographs and other reproductions are provided for study and reference is made to pieces in museums and other collections accessible during the college year and in vacations. Students electing the course are expected to read at least one foreign language.

Rembrandt and the Dutch School, Miss Fernald.

Two hours a week during the second semester.

(Given in 1920-21.)

A special study of Rembrandt and his works, considering also the work of Hans Hals and the Dutch "Little Masters." Trips will be made to see collections in neighbouring cities.

POST MAJOR COURSE.

Spanish Painting, Miss King.

Three hours a week throughout the year.

(Given in 1920-21 and again in 1921-22.)

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting are considered from the early miniature painters down to living painters. Students are expected to learn something about the Spanish character and history and to make short trips to see paintings on exhibition in America.

**Free
Elective
Courses.**

**Post-
Major
Courses**

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work are offered each year to graduate students of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students.

Seminary in History of Art, Miss King. *Two hours a week throughout the year.*

In 1920-21 the subject of the seminary is Spanish Painting up to 1550.

In 1921-22 the subject will be Mediæval Art in the period that lies between the sixth and the sixteenth centuries. Certain related problems will be selected and considered.

In 1922-23 the seminary will be devoted to Italian Art.

Graduate work in modern painting will also be arranged for any student who wishes to combine History of Art with English or French literature. While the order of the seminars may be altered to suit the needs of individual students, certain canons of art, and certain æsthetic problems will be considered in successive years.

Seminary in History of Art, Mr. Rowley. *Two hours a week throughout the year.*

The subject of the seminary in 1921-22 will be Sienese Painting.

Journal Club in Modern Art, Miss King, Mr. Rowley and Miss Fernald.

Two hours once a fortnight throughout the year.

The instructors and the graduate students meet for the presentation and discussion of current literature on the History of Art.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Anna Johnson Pell, Associate Professor of Mathematics.

The instruction offered in mathematics covers twenty and a half hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work, one hour a week of free elective work, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with

other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

The two hour course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

Preparatory Course.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Analytical Conics, Dr. Scott.

Three hours a week.

Trigonometry, including Series, Dr. Scott.

Two hours a week.

Major Course.

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

2nd Semester.

Elementary Differential and Integral Calculus, Dr. Pell. Three hours a week.

Algebra and Theory of Equations, Dr. Pell.

Two hours a week.

The three hour and two hour courses in this semester may not be elected separately.

SECOND YEAR.

1st Semester.

(Given in each year.)

Differential and Integral Calculus and Differential Equations, Dr. Pell.

Three hours a week.

Theory of Equations, Determinants, Dr. Pell.

Two hours a week.

2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott. Three hours a week.

Analytical Geometry of two and three Dimensions, Dr. Scott.

Two hours a week.

The three hour and two hour courses in each semester may not be elected separately.

Group: Mathematics with Greek, or with Latin, or with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Physics, or with Chemistry, or with Geology, or with Biology.

**Free
Elective
Courses.**

FREE ELECTIVE COURSES.

Graphic Mathematics, Dr. Scott.

*One hour a week throughout the year.**(Given in alternate years when the time of the department permits.)*

The course deals with statistical work, standard graphs and interpolation. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

*One hour a week throughout the year.**(Given in alternate years when the time of the department permits.)*

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics.

Mathematics Preparatory to Science.

*Two hours a week throughout the year.**(Given in each year when the time of the department permits.)*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered.

POST-MAJOR COURSES.

**Post-
Major
Courses.**

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following, with occasional modifications.

In 1920-21 the following post-major courses are offered:

Special Topics in Geometry, Dr. Scott.

Two hours a week throughout the year.

Lectures on special topics in geometry, such as homogeneous coordinates, circular coordinates, families of curves, certain transcendental curves, geometrical transformations, etc.

General Course in Analysis, Dr. Pell.

Three hours a week throughout the year.

This course deals with the development of subjects such as determinants, infinite series, Fourier series, definite integrals, etc.

In 1921-22 the following post-major courses are offered:

Lectures on Modern Pure Geometry, Dr. Scott.

Two hours a week throughout the year.

General Course in Analysis, Dr. Pell.

Three hours a week throughout the year.

In 1922-23 the following post-major courses are offered:

Modern Analytical Geometry, Dr. Scott.

Two hours a week throughout the year.

Lectures introductory to modern analytical geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

Theory of Functions of a Complex Variable, Dr. Pell.

Two hours a week throughout the year.

Calculus of Finite Differences and Theory of Probability, Dr. Pell.

One hour a week throughout the year.

GRADUATE COURSES.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The subjects vary from year to year so that the seminaries may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

*Graduate
Courses.*

Mathematical Seminary, Dr. Scott.

Two hours a week throughout the year.

(Given in each year.)

In 1920-21 one-half of the seminary work deals with the general theory of Plane Algebraic Curves; the other half is devoted to a detailed treatment of cubic curves and a more general discussion of quartic curves.

In 1921-22 Differential Geometry of Curves and Surfaces will be studied in the seminary. While Eisenhart's book will be taken as a guide it is expected that the work will be connected with that of Darboux.

In 1922-23 Topology of Plane Algebraic Curves will be the subject of the seminary. Seminary work in special plane curves, algebraic or transcendental, will be offered if needed.

Mathematical Seminary, Dr. Pell.

Two hours a week throughout the year.

(Given in each year.)

In 1920-21 Theory of Linear Differential Equations including Existence Theorems, boundary value, oscillation and expansion problems is the subject of the seminary.

In 1921-22 the subject of the seminary for the first semester will be the Calculus of Variations. Besides the general theory, isoperimetric problems and discontinuous solutions will be considered. The subject of the seminary for the second semester will be Integral Equations. The Volterra, Fredholm, Hilbert and Schmidt theories will be studied.

Seminary work in theory of Functions of a Real Variable will be offered if needed.

In 1922-23 Theory of Functions of Infinitely Many Variables and Theory of Linear Difference Equations will be the subjects of the seminary.

Mathematical Journal Club, Dr. Scott and Dr. Pell.

One hour a fortnight throughout the year.

The Journal Club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes, Dr. Roger Frederic Brunel, Dr. James Llewellyn Crenshaw, Dr. Anna Baker Yates, Dr. Franz Schrader, Mr. Malcolm Havens Bissell, Miss Sue Avis Blake, Miss Mary Jane Guthrie, and Miss Mary L. Morse.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories are open for students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,* and it is easy for a student to elect

* REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.

"As candidates for the degree of Doctor of Medicine the school receives:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University. (Group V.)

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry, and physics as is given in detail below.†

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† **BIOLOGY.**—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animals and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

CHEMISTRY.—The requirement for entrance in 1921 is as follows: At least two years of college work, of which one and one-third years should be devoted to inorganic and two-

a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology for two years and chemistry for two or three years.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Professor of Physics, and Miss Sue Avis Blake, Instructor in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one or two hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major courses in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject

thirds of a year to organic chemistry, will hereafter be required. Each year's course comprises three classroom exercises a week and five to six hours of laboratory work. This represents only a minimal training, and three years' work is advised, including one-third of a year devoted to lectures and demonstrations in elementary physical chemistry. In and after 1923 three years' preparation in chemistry will be required, including at least 240 hours of class room work and 500 hours of laboratory work. The former must include 60 hours in organic chemistry and a short course in physical chemistry; while the latter must include one year's work in quantitative analysis and 120 hours in organic chemistry. The first applies to students entering in September, 1921, the second to those entering in September, 1923.

PHYSICS.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

LATIN.—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of *Cæsar* or their equivalent.

Similar requirements are made for admission to the Medical College of Cornell University.

The Woman's Medical College of Pennsylvania admits students of Bryn Mawr College who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Woman's Medical College presented to Bryn Mawr College in 1910 a scholarship giving free tuition and renewable for the four years of the college course to be awarded to a graduate of the college.

from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Reed and Guthe's *College Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.

1st Semester.

(Given in each year.)

Theoretical Mechanics, Theory of Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.*Six hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*, optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Mathematics, or with Chemistry, or with Geology, or with Biology.

FREE ELECTIVE COURSE.**Physical Basis of Music, Dr. Huff.***One hour a week throughout the year.**(Given in each year.)*

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

***Free
Elective
Course.*****POST-MAJOR COURSES.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

***Post-
Major
Courses.*****Electricity and Magnetism, Dr. Huff.***Three hours a week throughout the year.**(Given in 1921-22.)*

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

General Optics, Dr. Barnes.

Three hours a week throughout the year.

(Given in 1920-21.)

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Properties of Matter, Dr. Huff.

Three hours a week during the first semester.

(Given in 1923-24.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff.

Three hours a week during the second semester.

(Given in 1923-24.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Spectroscopy, Dr. Barnes.

Three hours a week during the first semester.

(Given in 1922-23.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics, Dr. Barnes.

Three hours a week during the second semester.

(Given in 1922-23.)

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

GRADUATE COURSES.

Graduate Courses.

The graduate seminars consist of lectures, laboratory work, and original research under the direction of the instructors, the subjects varying from year to year so that the seminars may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Physical Seminary, Dr. Huff.

Three hours a week throughout the year.

(Given in alternate years.)

In 1920-21 Mathematical Theory of Electricity and Magnetism is the subject discussed. The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

In 1922-23 Radio-activity and Discharge of Electricity through gases is the subject of the seminary in the first semester and Electron Theory in the second semester. The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given. In the Electron Theory the mathematical development of the subject is first dealt with and this is followed by experimental tests of theory.

Physical Seminary, Dr. Barnes.

Three hours a week throughout the year.

(Given in alternate years.)

In 1921-22 Thermo-dynamics and Radiation are the subjects of the seminary. The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

In 1923-24 the seminary deals with a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the seminary.

Physical Journal Club, Dr. Huff and Dr. Barnes.

One hour a week throughout the year

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Professor of Chemistry, Dr. James Llewellyn Crenshaw, Associate Professor of Physical Chemistry, and Miss Mary L. Morse, Demonstrator in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in inorganic chemistry and qualitative analysis.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are on physical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Major Course.

Introduction to General Chemistry, Dr. Brunel.

Three hours a week.

Laboratory Work, Dr. Brunel.

Six hours a week.

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. After all the experiments on a given subject have been carried out the results are discussed in the class-room.

2nd Semester.

The Chemistry of the Metals, Dr. Crenshaw.

Three hours a week.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading.

The laboratory work consists of qualitative analyses. The students are first taught to identify the basic and acidic constituents in solutions; later they are required to carry out analyses of alloys and minerals.

SECOND YEAR.

1st Semester.

(*Given in each year.*)

Lectures on Elementary Physical Chemistry, Dr. Crenshaw.

Three hours a week.

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria. Private reading and outside preparation amounting to at least three and a half hours is required.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2nd Semester.

Organic Chemistry, Dr. Brunel.

Three hours a week.

The methods of preparation and the behaviour of the various classes of organic compounds are studied. Particular emphasis is laid on the relation between the arrangement of atoms within the molecule and the behaviour of the compounds, and on the processes of reasoning by which the constitution of organic compounds is established. Students intending to apply for admission to the Medical Department of Johns Hopkins University

can meet the requirements for admission in the autumn of 1922 by registry for two additional hours of laboratory work. After the autumn of 1922 such students will be required to take post-major courses as explained below.

Laboratory Work, Dr. Brunel.

Six hours a week.

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

Group: Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Post-Major Courses.

Organic Chemistry, Dr. Brunel.

Two hours a week throughout the year.

(Given in each year.)

The course consists of lectures, assigned reading with occasional reports, and laboratory work. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems. The work of the first semester of the course is required for admission to Johns Hopkins Medical School in and after 1923.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Physical Chemistry, Dr. Crenshaw.

Two hours a week throughout the year.

(Given in each year.)

The aim of the lectures is to extend the student's knowledge of physical chemistry and to lay a foundation for independent work in this subject. The lectures are supplemented by assigned reading and reports and are intended to give a general outline of the subject. The solution of a large number of problems is required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry, Dr. Crenshaw.

One hour a week throughout the year.

(Given in each year.)

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included. The work of the second semester of the course is required for admission to Johns Hopkins Medical School in and after 1923.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

Graduate Courses.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw.

No undergraduates are admitted to graduate courses.

Chemical Seminary, Organic Chemistry, Dr. Brunel.

One hour a week throughout the year.

(Given in each year.)

This is intended primarily for students who are carrying on research in organic chemistry and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Chemical Seminary, Inorganic Chemistry, Dr. Crenshaw.

One hour a week throughout the year.

(Given in each year.)

The work of the seminary consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Advanced Organic Chemistry, Dr. Brunel. *One hour a week throughout the year.*

(Given in each year.)

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest.

Students counting this course as the equivalent of a seminary will be required to do enough laboratory work, to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Physical Chemistry, Dr. Crenshaw.

Two hours a week throughout the year.

(Given in each year.)

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work will consist of physico-chemical research.

Chemical Journal Club, Dr. Brunel and Dr. Crenshaw.

One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Mr. Malcolm Havens Bissell, Instructor in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate major and minor work, three free elective courses of two hours and one hour a week, four post-major

courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week, but all these courses will not be given in the same year.

The purpose of the major course in geology is to make clear to the student the constitution and history of the earth and the processes which have been operative in its evolution. The first year of the major course is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The second year of the major course deals with rocks and minerals, and with their arrangement in the lithosphere.

Post-major courses in petrography or mineralogy, economic geology, stratigraphy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species, in the genesis of ores and in the principles of stratigraphy and paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Physiography, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

**Major
Course.**

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by these forces; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographic relief models, and maps.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted by means of practical exercises and the use of topographic maps and models.

For the field work, excursions are made into the immediate neighbourhood during the autumn and spring. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2nd Semester.

Introduction to Historical Geology, Mr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Mr. Bissell.

Six hours a week.

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania, and to the Mesozoic and Cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lithology, Mr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Mr. Bissell.

Six hours a week.

The lectures discuss the materials which constitute the earth's crust; the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory the students become familiar with methods for the rapid determination of the most common and most important rock forming and ore minerals; this is followed by a systematic study of the principal rock types.

Field excursions are made to mineral localities in the vicinity of the college.

2nd Semester.

Glaciology and Structural Geology, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

The lectures treat of the evidences, conditions, and causes of the glacial period; the development of man; the causes and effects of earth movements; the origin and age of the earth. The course is illustrated with models, photographs, and lantern slides.

In the laboratory topographic maps, geologic folios, and models illustrating features due to glaciation and folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Economics and Politics, or with Philosophy, or with Mathematics, or with Physics, or with Chemistry, or with Biology.

FREE ELECTIVE COURSES.

Cosmogony, Dr. Bascom.

*One hour a week throughout the year.**(Given in 1920-21 and in 1922-23 if the time of the department permits.)*

The work of the course is conducted by means of lectures, required reading, and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research. It will be given only if elected by a sufficient number of students.

**Free
Elective
Courses.**

Principles of Modern Geography, Mr. Bissell.

*Two hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

This course is designed particularly to present the point of view of the "new geography." In general it deals with the relation of man and of human activities to physical environment and physiographic facts are studied only in so far as they affect human relationships. Much emphasis is placed on the importance of the geographic factor in the study of the historical, political, social, and economic problems.

Natural Resources and Their Conservation, Mr. Bissell.

*Two hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

The aim of this course is to impart the knowledge concerning natural resources and their economic and political significance which is essential to a proper understanding of present day national and world problems. Some of the topics discussed are: The increasing dependence of man on natural resources; iron and coal as essentials of modern civilization; mechanical power and its sources, past, present and future; food supplies of the present and future; natural resources and international politics. The treatment of the subject will be as broad as possible, and particular attention will be paid to the problems of the United States.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-
Major
Courses.**

Determinative Mineralogy, Dr. Bascom.

*Two hours a week throughout the year.**(Given in 1920-21 and again in 1922-23.)*

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis is placed on crystal forms and practice is given in the use of the two-circle contact goniometer.

Petrography, Dr. Bascom.

*Three hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated. Practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Stratigraphy and Paleontology, Mr. Bissell.

*Three hours a week throughout the year.**(Given in 1920-21 and again in 1923-23.)*

The work of the first semester consists largely of lectures and assigned reading, and is devoted to a thorough study of the principles of sedimentation. This is followed by a consideration of the laws governing the distribution of organisms in time and space.

In the second semester the lectures deal with the evolution of the continents and seas as shown by the record of the sedimentary rocks and their fossils. The successive formations of North America are studied in order, and ancient physiographic conditions deduced as accurately as possible. Particular attention is paid to the evolution of life through the different geological periods and the changes of environment controlling it. In the laboratory the typical fossils of each formation are studied, and the student is required to learn the guide fossils of the more important geological horizons.

Economic Geology, Mr. Bissell.

*Two hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

The origin and geological occurrence of the useful minerals are treated in considerable detail, particular attention being given to the metallic ores.

GRADUATE COURSES.

Graduate Courses.

The seminary in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate seminary in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate seminary in physiography is designed primarily for graduate students wishing to make physiography a major subject for the degree of Doctor of Philosophy. Further graduate seminaries in petrology and physiography will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and physiography, under the direction of Mr. Bissell, but students who make inorganic geology the major subject of examination must take either physiographic geology, inorganic chemistry, or crystallography as the associated minor and students who elect physiographic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Seminary in Petrology or Crystallography or Metamorphic Geology,
Dr. Bascom.

*Three hours a week throughout the year.**(Given in each year.)*

The seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students and is varied from year to year. In crystallography direction is given in crystal measurement with the two-circle goniometer, in crystal pro-

jection, and crystal drawing. When metamorphic geology is the subject of the seminary the products and processes of anamorphism and katamorphism are investigated and classified.

Seminary in Physiography, Mr. Bissell.

Three hours a week throughout the year.

(Given in each year.)

A broad study of the physiographic cycle forms the basis of this course. The general principles governing the development of land forms are applied to various physiographic types, and the evolution of surface features under the control of climate and geologic structure is studied in considerable detail. This is followed by a study of definite regions illustrating the application of physiographic principles to problems of structural, economic and stratigraphical geology. Lectures, outside reading, reports, map work and field excursions are the methods of instruction. Research problems will be taken up if time permits.

Geological Journal Club, Dr. Bascom and Mr. Bissell.

Two hours once a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Anna Baker Yates, Associate in Physiology and Biochemistry, Dr. Franz Schrader, Associate in Biology, and Miss Mary Jane Guthrie, Instructor in Biology.

The instruction offered in biology covers twenty-three hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate minor and major work; one hour a week of free elective work; nine hours a week of post-major work, open to graduates and to undergraduates that have completed the major course in biology, and nine hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is desirable for students entering any course in biology, and is necessary for advanced work in the subject.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Major Course.

Lectures on General Biology, Dr. Tennent.

Three hours a week.

Laboratory Work, Dr. Tennent and Miss Guthrie.

Six hours a week.

2nd Semester.

Lectures in General Biology, Dr. Schrader.

Three hours a week.

Laboratory Work, Dr. Schrader and Miss Guthrie.

Six hours a week.

The object of this course is to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to treat plants and animals with constant reference to one another, both as to structure and mode of action. Emphasis is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student studies a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher animals and plants. In the second semester attention is given mainly to the biology of the higher animals. Two-thirds of the semester is devoted to a study of the morphology and physiology of vertebrates; the remainder of the semester to a study of the embryology of the frog and, in greater detail, that of the chick.

SECOND YEAR.

1st Semester.

(Given in each year.)

General Zoölogy, Dr. Schrader.

Three hours a week.

Laboratory Work, Dr. Schrader and Miss Guthrie.

Six hours a week.

This course extends the work of the first year so as to include a survey of the morphology and taxonomy of all the main groups of invertebrate animals. Part of the course is devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary from year to year and are intended to be suggestive rather than exhaustive in character.

2nd Semester.

General Physiology, Dr. Yates.

Three hours a week.

Laboratory Work, Dr. Yates and Miss Guthrie.

Six hours a week.

The lectures in general physiology deal with the properties and responses of living matter; with the organization of living matter into groups of cells or tissues specialized to perform specific functions; and with the relation of these several groups of cells to each other.

The comparative physiology of plants and animals is considered for the purpose of gaining a clearer conception of the similarity of life processes and of the changes in structure and

function as organisms increase in complexity and become more independent of their environment.

The lectures are supplemented by laboratory experiments, oral reports and written quizzes.

Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.

FREE ELECTIVE COURSE.

Theoretical Biology, Dr. Tennent.

One hour a week throughout the year.

(Given in each year.)

**Free
Elective
Course.**

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. Special attention is given to theories of evolution and heredity. A considerable amount of assigned reading is required.

POST-MAJOR COURSES.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.

One hour a week during the first semester.

(Given in 1920-21 and again in 1922-23.)

**Post-
Major
Courses.**

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

Experimental Morphology, Dr. Tennent.

One hour a week during the second semester.

(Given 1920-21 and again in 1922-23.)

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. This course is to be taken with four hours laboratory work as a two-hour course.

Embryology of Vertebrates, Dr. Tennent. *One hour a week throughout the year.*

(Given in 1921-22 and again in 1923-24.)

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Biochemistry, Dr. Yates.

Two hours a week throughout the year.

(Given in 1920-21 and again in 1921-22.)

The course consists of lectures, assigned reading, quizzes oral and written and at least four hours of laboratory work a week. It deals with the chemical constitution of living matter; with the sources from which the chemical substances necessary for life are derived; with the chemical changes by which non-living material is incorporated as living matter;

with the chemical changes by which both living and non-living matter provide energy for the carrying on of vital processes. In particular the chemical characteristics of the fluids and tissues of the body are studied so as to show, as far as possible, the actual chemical phenomena underlying or influencing the normal functions of the mammalian organism.

A preliminary training in chemistry equivalent to that obtained in the major course is required.

Advanced Physiology, Dr. Yates.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

This course consists of lectures, assigned reading, reports on current investigations, quizzes, and at least four hours of laboratory work a week. It will include an intensive study of the physiological properties of highly specialized tissues in lower vertebrates and mammals. The course will further deal with the interdependence of the parts of the organism and the relation of the parts to the whole, which makes possible an effective and smoothly running living mechanism.

Physiology of Microorganisms, Dr. Schrader.

One hour a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

During the first semester the time is devoted to the study of yeasts, moulds and bacteria. In the second semester problems of growth, cell division, regeneration, and reproduction in protozoa are treated. At least four hours of laboratory work a week is required. A special problem is assigned to each student.

Laboratory Work, Dr. Tennent, Dr. Yates and Dr. Schrader.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

GRADUATE COURSES.

Graduate Courses.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Schrader or in physiology or in physiological chemistry under the guidance of Dr. Yates.

Seminary in Zoölogy, Dr. Tennent.

Three hours a week throughout the year.

(Given in each year.)

In 1920-21 and again in 1922-23 Cytology is the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention is given to the phenomena of spermatogenesis and oogenesis and the theories connected therewith.

In 1921-22 Embryology of Invertebrates is the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

Seminary in Physiology and Biochemistry, Dr. Yates.

Three hours a week throughout the year.

(Given in each year.)

In 1920-21 the physiology of the cell is studied. The work includes a consideration of the physical and chemical constitution of living matter; of the physio-chemical laws underlying life processes; of the dynamics of the single cell and of groups of cells aggregated into tissues.

In 1921-22 the comparative physiology of the nervous system will be studied. The development of the nervous system will be traced from the primitive forms to its complex form in the higher vertebrates. The bearing of this development on evolution and the significance of this development in the vital functions of the higher organisms will be studied.

In 1922-23 the subject will be the general metabolism of the mammalian organism and the influence of the endocrine organs in regulating and modifying vital processes.

The order of the subjects may be varied to meet the needs of the students.

Seminary in Biology, Dr. Schrader.

Three hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

In 1922-23 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

Biological Journal Club, Dr. Tennent, Dr. Yates and Dr. Schrader.

One hour a week throughout the year.

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent, Dr. Yates and Dr. Schrader.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, Committee Chairman, the Director of Physical Training, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Resident Physician of the College, and twice each year by the Director of Physical Training with reference to physical development, strength of heart and lungs, and general health. The Physician in Chief of the

College acts as consultant and is referred to in all unusual cases. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Resident Physician will be in her college office during the hours from eight to eight-thirty a. m. and from four to half past five of every day except Sunday and on Sunday from nine to ten A. M. and may be consulted by the students without charge.

Graduate students elected to fellowships or scholarships and also all other graduate students who are admitted to the college are required to have a medical, physical and oculist's examination and to comply with the health directions of the college physicians. Those who are found to be suffering from uncorrected eye trouble will be expected to follow the oculist's advice.

All resident graduate students are required to take the regular exercise prescribed and students who are unwilling to comply with this regulation will not be permitted to live in the halls of residence.

All students who are not on the medical supervision list of the attending physicians on account of illness are under the immediate care of the Director of Physical Training. She receives the reports of students on the medical supervision list, keeps careful records of the health of all students and endeavours by lectures, interviews, required exercise, and advice on general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to attend. A more advanced course of eight lectures on social hygiene is given each year by a woman physician which seniors are required to attend.

The infirmary fee of \$20.00 paid by every resident student*

* Graduate students pay \$10.00 a year.

entitles her to be cared for in the infirmary for four days (not necessarily consecutive) during the year without paying extra fees for nurses or for attendance by the college physicians, and also to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of more than four days' duration and also in the case of all diseases of an infectious character the student must meet, or in case of two or more students with the same infectious disease must share, the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges should she be removed from the college by order of the Physician in Chief. During the four days specified above the attendance fees of the college physicians are paid by the college. All fees after this time must be paid by the student.

A special nurse for one student costs \$6.75 per day (nurse's fee \$5.00, board \$1.40, laundry .35) or \$47.00 per week (nurse's fee \$35.00 per week, board \$10.00, laundry \$2.00). The infirmary fee is \$3.00 per day. It is often possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing. When a student has not an infectious disease the infirmary fee of \$3.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will excuse students for absence before and after vacations on account of serious illness and from attendance on academic work during the time that they are in the infirmary or seriously ill at home.

Physical Training.

The Physical Training of the students is under the direction of Miss Constance M. K. Applebee, Director of Physical Training, and Miss Constance Eleanor Dowd, Assistant to the Director of Physical Training.

Physical Training amounting to three hours a week throughout the year, divided into five periods a week, is required of all resident and non-resident undergraduates and hearers. During the year the following classes and games are organized by the Department of Physical Training in co-operation with the Athletic Association of the students:

In the Autumn: Company drills, hockey, tennis, swimming.

In the Winter: Classes in fencing, gymnastics, interpretative and folk dancing, community singing, swimming and water polo, soccer.

In the Spring: Basketball, tennis, track, out-of-door dancing.

All undergraduates must take part in some of the classes and games mentioned above, and every undergraduate is required to take weekly swimming lessons until able to pass the required swimming test. For certain students corrective exercises are prescribed and must be taken under the direction of an instructor trained in medical corrective work. No undergraduate will be excused from any of the requirements except by order of the Director. The regulation gymnasium suit or athletic costume must be worn for all gymnastics or athletics.

A fee of five dollars a year is charged to each resident undergraduate, and three dollars a year to each non-resident undergraduate and two dollars and fifty cents a year to each resident graduate student for the up-keep of the athletic fields.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighbourhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. Bryn Mawr is connected with Philadelphia by frequent electric trains on the Pennsylvania Railroad and by an electric trolley running every twenty minutes. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, an office for the Alumnæ Association, and the offices of administration.

The Donors' Library, the gift of the friends, graduates, and students of the college, was begun in April, 1903, and completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. On the north side of the main reading-room is the Art and Archæological Seminary, containing collections of photographs, vases, and coins; on the south side are the offices of the Carola Woerishoffer Department of Social Economy. The main building contains the Stack, the New Book

Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Book Room, the Christian Association Library, one lecture room, one professor's office, and three cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain fourteen seminary rooms and thirty-two professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art and Archæology, French and Italian and Spanish, German, Semitic Languages and Philosophy and Education in the north wing; Mathematics, History, Economics, Carola Woerishoffer Department of Social Economy and Social Research, and Psychology in the south wing, where are also offices for the librarians and cataloguers. The professors' offices for the two senior professors in each department in general adjoin the seminary rooms. There are also two general lecture-rooms, one accommodating forty-two the other twenty students. On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains an experimental laboratory of the department of Education, two interview rooms, a room for the Monograph Committee of the Faculty, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M. till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is

reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

The new gymnasium, erected on the site of the first gymnasium as a gift of the Athletic Association, the alumnæ and thirteen neighbours of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. The roof, 50 feet wide by 90 feet long, is used for gymnastic drills and students' entertainments. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnæ, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and an assistant.

On the grounds, separated from other buildings, is the 1905 Infirmary. It was opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

Plans and descriptions of Taylor Hall, Donors' Library, Dalton Hall, the Gymnasium, the 1905 Infirmary and the six halls of residence, are published in Part 4 of the Bryn Mawr College Calendar and may be obtained from the Secretary and Registrar of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East. There is a club-room for non-resident students in Rockefeller Hall and also rooms where the students can have hairdressing and dressmaking done.

The Phebe Anna Thorne Open Air School of the department of Education is situated on the campus and has

its own school building with out-of-door class rooms and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils and every room in the college has separate thermostatic control. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees day and night in all the bathrooms and station-wash-stands and tea pantries.

Telephone pay stations by means of which the students may be reached at any time are maintained in the library, gymnasium, infirmary and in each of the halls of residence. The Western Union Telegraph and Cable Company delivers telegrams between the hours of 6 A. M. and 12 P. M. Near the college there are a United States money-order office, two banks and an office of the American Railroad Express.

LIBRARIES.

The fact that the College is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the College proper.

The College library has been collected within the past thirty-seven years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about ninety-one thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the College in 1894, and the Semitic library of the

late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 53 and 87.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, Greek, French, Italian, Spanish, German, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.

*Amherst Graduates' Quarterly.
Asia.

Athenæum.

Atlantic Monthly.

Bookman.

Bookman (English).

Bookseller.

*Bryn Mawr Alumnae Quarterly.
Bulletin of Bibliography.

*Bulletin of the New York Public Library.

*Bulletin of the Pan-American Union.

Il Carroccio.

Century.

Contemporary Review.

Cumulative Book Index.

Dearborn Independent.

Deutsche Rundschau.

Dial.

Drama.

Les écrits nouveaux.

Edinburgh Review.

English Review.

La Esfera.

Fortnightly Review.

Forum.

La France.

Göttingische Gelehrte Anzeigen.

Harper's Monthly Magazine.

Harvard Graduates' Magazine.

L'Illustration.

L'Illustrazione Italiana.

Independent.

Inter-America.

Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.

*Japan Society Bulletin.

*Johns Hopkins University, Circulars.

Larousse mensuel illustré.

Library Journal.

Literary Digest.

Living Age.

Mercure de France.

Mercury.

Mind and Body.

Minerve Française.

*Monthly Bulletin of the Carnegie Library of Pittsburgh.

Münchener allgemeine Zeitung.

Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.

Nation.

Nation (English).

Neue Rundschau.

New Republic.

New Statesman.

New York Times Index.

Nineteenth Century.

North American Review.

Notes and Queries.

Nouvelle Revue Française.

Nuevo Mundo.

Nuova Antologia.

Outlook.

*Pennsylvania Library Notes.

Preussische Jahrbücher.
Public Affairs Information Service
Bulletin.
Publishers' Weekly.
Punch.
Quarterly Review.
Reader's Guide to Periodical Literature.
Review of Reviews.
Revue Critique d'Histoire et de Littérature.
Revue de Paris.
Revue des Deux Mondes.
Revue Internationale de la Croix-rouge.
Revue Politique et Littéraire; Revue
Bleue.
Saturday Review.
Scientia.
Scribners Magazine.

Sewanee Review.
Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.
Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.
Spectator.
Der Türmer.
*University of California, Publications.
*University of Colorado, Studies.
*University of Missouri, Studies.
*University of Nebraska, Studies.
*University of Nevada, Studies.
*University of Texas, Studies.
*University of Washington, Studies.
Weekly Review.
Die Woche.
World's Work.

Newspapers.

*College News, Bryn Mawr.
Corriere della Sera.
*Home News, Bryn Mawr.
London Times.

New York Evening Post.
New York Times.
Philadelphia Public Ledger.
El Sol.

Art and Archaeology.

American Journal of Archæology.
Archæologike Ephemeris.
Art and Archæology.
Art Bulletin.
Art in America.
Boletin de la Sociedad Castellana a Excursiones.
Boletin de la Sociedad Española a Excursiones.
British School at Athens, Annual.
Bulletin of the Metropolitan Museum of Art, New York.
*Bulletin of the Rhode Island School of Design.
Bulletino della Commissione archaeologica comunale de Roma.
Burlington Magazine.
Denkmäler der Malerei des Altertums.
Gazette des Beaux Arts.
International Studio.
Jahrbuch des Deutschen Archäologischen Instituts.

Jahreshefte des Österreichischen Archäologischen Instituts in Wien.
Journal of Hellenic Studies.
Journal international d'archéologie numismatique.
Journal of the American Institute of Architects.
Mittheilungen und Nachrichten des Deutschen Palästina Vereins.
Mittheilungen des Deutschen Archäologischen Instituts, Athenische Abteilung.
Mittheilungen des Deutschen Archäologischen Instituts, Römische Abteilung.
Museum Journal.
*Museum of Fine Arts Bulletin, Boston.
Notizie degli Scavi di Antichità.
Revue archéologique.
Rivista d'arte.
Syria.
Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
All Opinions of the U. S. Supreme Court.
*American Association for International Conciliation, Publications.

American City.
American Economic Review.
*American Economist.
American Federationist.

American Journal of International Law.
 American Municipalities.
 American Political Science Review.
 *The Americas.
 Annalist.
 Annals of the American Academy of
 Political and Social Science.
 Bibliographie der Sozialwissenschaften.
 Bulletin of Russian Information.
 Canadian Municipal Journal.
 Citizens Business.
 City Record, Boston.
 Columbia Law Review.
 Columbia Studies in History, Economics
 and Public Law.
 *Congressional Record.
 Economic Journal.
 Good Government.
 Great Britain, Quarterly List of Official
 Publications.
 Guaranty News.
 Handbuch der öffentlichen Rechte.
 Harvard Law Review.
 Jahrbücher für Nationalökonomie und
 Statistik.
 Johns Hopkins University Studies in
 Historical and Political Science.

Journal of Political Economy.
 Journal of the Royal Statistical Society.
 Millards' Review.
 Minnesota Municipalities.
 Modern City.
 Municipal Journal, Baltimore.
 Municipal Research.
 National Municipal Review.
 National Tax Association Bulletin.
 Political Science Quarterly.
 Proceedings of the Academy of Political
 Science.
 Proportional Representation Review.
 *Public Works.
 Publications of the American Economic
 Association.
 Quarterly Journal of Economics.
 Revue bibliographique.
 Revue général de Droit international pub-
 lic.
 Searchlight on Congress.
 Short Ballot Bulletin.
 *Single Tax Review.
 Suffragist.
 Yale Review.
 Zeitschrift für Volkswirtschaft, Social-
 politik u. Verwaltung

Social Economy and Social Research.

*Advance.
 American Child.
 American Child Hygiene Association,
 Transactions.
 American Flint.
 American Industries.
 American Journal of Public Health.
 American Journal of Sociology.
 American Labor Legislation Review.
 *American Pressman.
 American Review of Tuberculosis.
 *Bakers' Journal.
 *Bridgeman's Magazine.
 *Broom-maker.
 Bulletin of the International Labour Office.
 Bulletin of the National Tuberculosis
 Association.
 Bulletin of the National Society for Voca-
 tional Education.
 *Bulletin of the New York State Depart-
 ment of Labor.
 Bulletin of the Taylor Society.
 *Carpenter.
 Charity Organization Review.
 *Cigarmakers' Journal.
 *Commercial Telegraphers' Journal.
 Community Center.

Economic World
 *Electrical Worker.
 *Elevator Constructor.
 Eugenics Review.
 Factory.
 Filing.
 *Forbes.
 *Garment Worker.
 *Granite Cutters' Journal.
 Housing Betterment.
 Industrial Arts Index.
 Industrial Information Service.
 Industrial Management.
 Industrial News Survey.
 *Institution Quarterly.
 *International Bookbinder.
 *International Musician.
 *International Steam Engineer.
 Iron Age.
 Journal of Criminal Law.
 Journal of Delinquency.
 Journal of Heredity.
 Journal of Industrial Hygiene.
 *Journal of the Cigar Makers' International
 Union.
 Journal of the Outdoor Life.
 *Journeyman Barber.

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| <p>Labor Bulletin of the Massachusetts Bureau of Statistics.
 Labor Gazette.
 *(The) Lather.
 *Law and Labor.
 *Leatherworkers' Journal.
 Life and Labor.
 *Longshoremen.
 *Machinists' Journal.
 *Metal Polishers' Journal.
 *Motorman and Conductor.
 *Mixer and Server.
 Nation's Business.
 National Conference of Social Work Bulletin.
 100%, The Efficiency Magazine.
 *Ohio State Institution Journal.
 The Organizer.
 *Painter and Decorator.
 *Papermakers' Journal.
 *Patternmakers' Journal.
 *Paving Cutters' Journal.
 *Plasterer.
 Playground.
 *Plumbers' Journal.
 Proceedings of the National Conference of Social Work.
 *Progressive Labor World.
 Publications of the American Statistical Association.
 *Public Health, Michigan.
 *Quarry Workers' Journal.
 *Railway Carmen's Journal.</p> | <p>*Railway Clerk.
 *Retail Clerks' International Advocate.
 Seaman's Journal.
 *Shoeworkers' Journal.
 Social Hygiene.
 Social Hygiene Bulletin.
 Social Service Review.
 *Stereotypers' and Electrotypers' Journal.
 Survey.
 System.
 *Tailor.
 *Teamsters', Chauffeurs', Stablemen and Helpers' Magazine.
 *Textile Worker.
 *Tobacco Workers' Journal.
 *Trade Union News.
 Transactions of the American Child Hygiene Association.
 *Typographical Journal.
 *United Association of Journeymen Plumbers' Journal.
 *U. S. Bureau of Immigration, Publications.
 *U. S. Bureau of Labor Statistics, Bulletin.
 *U. S. Bureau of the Census, Publications.
 *U. S. Children's Bureau, Publications.
 *University of Illinois, Studies in Social Sciences.
 *University of Minnesota, Studies in Social Sciences.
 Women's Industrial News.
 Women's Trade Union Review.
 *Woodcarver.</p> |
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Education.

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| <p>Berichte der Dalcroze Schule.
 Education.
 Educational Review.
 Educational Times.
 Elementary School Journal.
 English Journal.
 Journal of Educational Psychology.
 Journal of Educational Research.
 Journal of Experimental Pedagogy.
 *Journal of the Association of Collegiate Alumnae.
 Lehrproben und Lehrgänge.
 Manual Training Magazine.
 National Education Association, Publications.
 National Society for the Study of Education Yearbook.
 Normal Instructor.</p> | <p>Pädagogische Studien.
 Pedagogical Seminary.
 Revue International de l'Enseignement Supérieur.
 Revue Universitaire.
 School and Society.
 School Journal.
 School Review.
 School Science and Mathematics.
 Supplementary Education Monographs.
 Teachers' College Contributions to Education.
 Teachers' College Record.
 *U. S. Bureau of Education, Bulletin.
 *University of California Publications, Education.
 Zeitschrift für pädagogische Psychologie.
 Zeitschrift für Schulgesundheitspflege.</p> |
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History.

American Historical Association, Reports.
 American Historical Review.
 *Catholic Historical Review.
 English Historical Review.
 Historical Manuscripts Commission, Reports.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 History.
 *Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.

Klio, Beiträge zur alten Geschichte.
 New York Times Current History of the European War.
 Révolution française.
 Revue des Études Napoléoniennes.
 †Revue des Questions historiques.
 Revue historique.
 Round Table.
 Royal Historical Society, Transactions.
 Selden Society, Publications.

Philology and Literature, Classical.

†Bulletin bibliographique et pédagogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Commentationes philologiae jenenses.
 Dissertationes philologicae halenses.
 Harvard Studies in Classical Philology.
 Hermes.
 Jahresbericht über die Fortschritte der klassischen Altertumswissenschaft.
 Journal of Roman Studies.
 †Le Musée Belge, Revue de Philologie classique.

Mnemosyne.
 Philologische Untersuchungen.
 Philologus.
 Quellen und Forschungen zur lateinischen Philologie.
 Revue de Philologie.
 Revue des Études grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Sokrates.
 Studi Italiani di Filologia classica.
 †Studi Storici per l'Antichità classica.
 Wiener Studien, Zeitschrift für klassische Philologie.
 Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 †Eranos.
 Indogermanische Forschungen.
 Journal of English and Germanic Philology.
 Journal of Philology.
 Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.

Philological Society, London, Publications.
 Transactions of the American Philological Association.
 Zeitschrift für die österreichischen Gymnasien.
 †Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Acta Germanica.
 Anglia.
 Anglistische Forschungen.
 †Annales Romantiques.
 Archiv für das Studium der neueren Sprachen.
 Archivio Glottologico Italiano.
 Arkiv för Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
 Beiträge zur Geschichte der deutschen Sprache und Literatur.

Bibliographical Society of America, Publications.
 Bibliographical Society of London, Transactions.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin hispanique.
 Bulletino della Società Dantesca Italiana.
 Chaucer Society Publications (both series).
 Deutsche Literaturzeitung.
 Deutsche Texte des Mittelalters.
 Dialect Notes.

* Presented by the Publishers.

† Suspended publication.

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| <p>Early English Text Society, Publications
(both series).
English Leaflet.
Englische Studien.
Euphorion.
Forschungen zur neueren literaturge-
schichte.
†German American Annals.
†Germanisch-romanische Monatsschrift.
Giornale Storico della Letteratura italiana.
Goethe Jahrbuch.
Henry Bradshaw Society, Publications.
Hispania.
Jahrbuch der Deutschen Shakespeare
Gesellschaft.
Jahrbuch des Vereins für niederdeutsche
Sprachforschung.
Jahresbericht über die Erscheinungen auf
dem Gebiete der germanischen Philo-
logie.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für nieder-
deutsche Sprachforschung.
†Kritischer Jahresbericht über die Fort-
schritte der romanischen Philologie.
Literarische Echo.
Literarisches Centralblatt.
Literaturblatt für germanische und roman-
ische Philologie.
†Le Maître phonétique
Malone Society, Publications.
Materialen zur Kunde des älteren engli-
schen Dramas.
Modern Language Notes.
Modern Language Review.
Modern Languages.
Modern Philology.</p> | <p>Münchener Beiträge zur romanischen und
englischen Philologie.
Palaestra.
Poet-lore.
Praeger deutsche Studien.
Publications of the Modern Language
Association.
Quellen und Forschungen zur Sprach- und
Kulturgeschichte der germanischen
Völker.
Rassegna Bibliografica.
Revista de Filologia Española.
Revue Celtique.
Revue d'Histoire Littéraire de la France.
†Revue Germanique.
Revue Hispanique.
Romania.
Romanic Review.
Romanische Forschungen.
Schriften der Goethe Gesellschaft.
Scottish Text Society, Publications.
Société des Anciens Textes Français, Pub-
lications.
Société des Textes Français Modernes,
Publications.
Studien zur englischen Philologie.
University of North Carolina. Studies
in Philology.
Wiener Beiträge zur englischen Philologie.
Yale Studies in English.
Zeitschrift für den deutschen Unterricht.
Zeitschrift für deutsche Philologie.
Zeitschrift für deutsches Altertum und
deutsche Litteratur.
Zeitschrift für deutsche Wortforschung.
Zeitschrift für französische Sprache und
Litteratur.
Zeitschrift für romanische Philologie.</p> |
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Philology and Literature, Semitic.

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| <p>American Journal of Semitic Languages
and Literatures.
Jewish Quarterly Review.
Journal of the Royal Asiatic Society.
Journal of the Society of Oriental Research.</p> | <p>†Recueil de Travaux relatifs à la Philologie
et à l'Archéologie égyptiennes et
assyriennes.
Zeitschrift für ägyptische Sprache und
Altertumskunde.
Zeitschrift für Assyriologie.</p> |
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Philosophy and Psychology.

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| <p>American Journal of Psychology.
†Année psychologique.
Archiv für die gesammte Psychologie.
Archiv für Geschichte der Philosophie.
Archiv für systematische Philosophie.
Archives de Psychologie.
†Archives of Psychology.</p> | <p>Behavior Monographs.
†Berichte über den Kongress für experi-
mentelle Psychologie.
British Journal of Psychology.
British Journal of Psychology: Mono-
graph Supplements.
†Bulletin de l'Institut Psychologique.</p> |
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Fortschritte der Psychologie.
 Hibbert Journal.
 International Journal of Ethics.
 †Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal Psychology.
 †Journal of Animal Behaviour.
 Journal of Applied Psychology.
 †Journal of Experimental Psychology.
 Journal of Philosophy.
 Mind.
 Monist.
 Philosophical Review.
 Proceedings of the Aristotelian Society.
 Proceedings of the Society for Psychical Research.
 Psychological Bulletin.
 Psychological Clinic.
 Psychological Review.

Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 †Psychologische Arbeiten.
 †Psychologische Studien.
 Revue de Métaphysique.
 †Revue de Psychothérapie.
 Revue philosophique.
 Training School Bulletin, Vineland.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrschrift für wissenschaftliche Philosophie u. Soziologie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
 Anglican Theological Review.
 †*Christian Register.
 Expositor.
 Expository Times.
 Harvard Theological Review.
 Journal of Biblical Literature.
 Journal of Religion.
 Journal of Theological Studies.
 Pilgrim.

*Publications of the American Jewish Historical Society.
 Religious Education.
 Revue biblique.
 *Spirit of Missions.
 *Union Signal.
 *Woman's Missionary Friend.
 *World Outlook.
 World Tomorrow.

Science, General.

American Journal of Science.
 Atti della Reale Accademia delle Scienze di Torino.
 British Association for the Advancement of Science, Reports.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 International Catalogue of Scientific Literature.
 *Kansas University, Science Bulletin.
 Nature.
 *New York State Museum Bulletin.
 Philosophical Magazine.

Philosophical Transactions of the Royal Society of London.
 Proceedings of the American Philosophical Society.
 Proceedings of the National Academy of Sciences.
 Proceedings of the Royal Society of London.
 Science.
 Scientific American.
 Scientific American Monthly.
 Scientific Monthly.
 *U. S. National Museum, Publications.
 *University of Missouri Studies, Science Series.

Science, Biology.

American Anthropological Association, Memoirs.
 American Anthropologist.
 American Journal of Anatomy.

American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.

* Presented by the Publishers.

† Suspended publication.

‡ In Christian Association Library.

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| <p>Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia physiologica.
 Biologisches Centralblatt.
 Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Endocrinology.
 Eugenics Laboratory Memoirs.
 Genetics.
 *Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.
 Journal of General Physiology.
 Journal of Genetics.
 Journal of Morphology.
 Journal of Physiology.</p> | <p>Journal of the Royal Microscopical Society.
 *Midland Naturalist.
 Quarterly Journal of Microscopical Science.
 Stazione Zoologica di Napoli, Pubblicazioni.
 *U. S. Public Health Service, Publications.
 *University of California Publications, Physiology.
 *University of California Publications, Zoology.
 *University of Pennsylvania, Contributions from the Botanical Laboratories.
 *University of Pennsylvania, Contributions from the Zoological Laboratories.
 *University of Toronto Studies, Biological Series.
 *University of Toronto Studies, Physiological Series.
 *Wilson Bulletin.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.</p> |
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Science, Geology, and Geography.

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| <p>Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.
 *Illinois Geological Survey Bulletin.
 Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.</p> | <p>Mineralogische und petrographische Mittheilungen.
 National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
 Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological Society.
 *U. S. Monthly Weather Review.
 *University of Toronto Studies, Geological Series.</p> |
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Mathematics, Chemistry, and Physics.

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| <p>Acta Mathematica.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie.
 Annales de Physique.
 Annales scientifiques de l'Ecole Normale Supérieure.
 Annali di Matematica.
 Astrophysical Journal.
 Beiblätter zu den Annalen der Physik.
 Berichte der deutschen chemischen Gesellschaft.
 Bibliotheca Mathematica.
 Bolletino di Bibliografia e Storia delle Scienze Matematiche.
 Bulletin de la Société Chimique de France.</p> | <p>Bulletin de la Société Mathématique.
 Bulletin des Sciences mathématiques.
 Bulletin of the American Mathematical Society.
 Cambridge Tracts in Mathematics.
 Chemisches Zentralblatt.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der Mathematik.
 Jahresbericht der deutschen Mathematiker Vereinigung.
 Journal de Chimie physique.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte Mathematik.
 Journal für praktische Chemie.</p> |
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Journal of the London Chemical Society.
 Journal of Physical Chemistry.
 Kolloidzeitschrift.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.
 Proceedings of the London Mathematical Society.
 Quarterly Journal of Mathematics.

Rendiconti del Circolo Matematico di Palermo.
 Science Abstracts.
 Transactions of the American Mathematical Society.
 *U. S. Bureau of Standards Bulletin.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 275,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to five-thirty P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 215,000 volumes. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 81,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 495,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the College.

The *Free Library of Philadelphia*, which contains 595,398 volumes and 349,115 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains over 67,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 150,000 bound volumes, and 250,000 pamphlets, is for reference only. The collection of manuscripts is one of the best in the country comprising 7,000 volumes. Every courtesy is extended to members of the College.

EXAMINATION FOR MATRICULATION.

Examination for Matriculation.

The examination for matriculation must be taken by everyone who wishes to study in the undergraduate department of Bryn Mawr College as a candidate for a degree or as a special student following selected courses.*†

The examination for matriculation may be taken also as a

* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examination of the college will be accepted, subject to certain conditions. For details see pages 181-182.

† When there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for, two exceptions may, in special circumstances, be made to the above rule, and two classes of students may be admitted to the college without passing the examination for matriculation:

(a) Students who present a certificate of honourable dismissal from an approved college. (See fifth paragraph of this note.)

(b) Women over twenty-five years of age who can furnish satisfactory proof that they have at some time studied the subjects required for admission to Bryn Mawr College may be admitted as "Hearers."

In the admission of students, however, preference will in all cases be given to candidates who have taken the regular examination for matriculation.

Students who have attended other colleges or universities must present a certificate of honourable dismissal, together with an official statement that they have studied in regular college classes for one college year exclusive of the summer vacation and have received the grade of passed on examinations covering at least one year of academic work in one of the regular college courses leading to the bachelor's degree of liberal arts, and are in good standing in said college, and able to take their degree there in due course. In addition to this year of college work such students must present credits fully equivalent to the Bryn Mawr College examination for matriculation. Students desiring to be credited with courses taken at other colleges must offer these courses for examination at Bryn Mawr College.

Students who have failed to satisfy the requirements at other colleges, who have outstanding conditions, or have otherwise failed to meet prescribed college standards of academic work or conduct, or who have been put on probation, suspended, or excluded will under no circumstances be admitted to Bryn Mawr College. Such students will not be permitted to cancel their college work elsewhere, take the Bryn Mawr College examination for matriculation, and enter Bryn Mawr as regular freshmen.

Each case of a candidate who wishes to be admitted to Bryn Mawr College on presentation of a certificate of honourable dismissal from another college or university will be decided on its merits. In most cases such candidates must take the regular examination for matriculation given by Bryn Mawr College. Such students are not permitted to take the examination for matriculation without informing the Secretary and Registrar of the College, in advance, at the time that they file their application to be examined, that they have studied at another college. Unless this rule is observed they will not receive a matriculation certificate. There are only a very few vacancies each year and candidates wishing to take a full four year's college course are given the preference.

test of proficiency in elementary studies by candidates who have no intention of entering the college.

A matriculation certificate will be given to everyone who is successful in passing the examination.

Matriculation certificates stating that candidates have passed the examination for matriculation and are qualified for admission to Bryn Mawr College will be issued to those candidates only who have been examined in *all* of the subjects required for matriculation and have shown by their examination that *all* of the subjects required for matriculation have been studied for a reasonable length of time. These subjects are counted as equivalent to twenty points. No certificate will be given unless the candidate has received the grade of "passed" in at least fifteen of the required twenty points.*† Matriculation certificates may be presented at any time for admission to the college. There is no time limit.

*Matriculation
Certificates.*

Candidates holding matriculation certificates who wish to study in Bryn Mawr College must make definite application for admission as a student to the Secretary and Registrar of the College. Such candidates will receive from the Secretary and Registrar formal admission certificates.‡ Matriculation certificates qualify for admission but do not in themselves entitle

*Admission
Certificates.*

* Matriculation certificates must contain a complete record of the marks received in all of the twenty points. Candidates who have cancelled the First Division, the Second Division, or the Preliminary Division of the examination for matriculation must be examined again in all of the points of the cancelled division. It is not sufficient that the candidates at some previous time should have offered certain subjects, or points, in a division of the examination that has been cancelled. They must offer *all* cancelled points again except those points which have been offered and passed in the division which is to be counted. Neglect to comply with this rule will prevent candidates from receiving matriculation certificates.

† Matriculation certificates will not be issued to candidates who have failed completely in any one of the twenty points offered for the final matriculation certificate when such failure is of a character to indicate that the subject has been presented as a mere form, unless they can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

‡ Students who have been admitted to the college will be permitted to choose rooms in the halls of residence in order of application for rooms and are urged to make such application as early as possible. Application for rooms may be made at any time. It is not necessary to wait until the examination for matriculation has been taken.

Applications for rooms made by students studying at other colleges, or entering other colleges after applying for rooms at Bryn Mawr College, will not entitle them to an early choice of rooms. Such students will be admitted to the college only when there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for. Under no circumstances will students be admitted to Bryn Mawr College who have not made good at other colleges. (See footnote, page 166, seventh paragraph.)

candidates to study in Bryn Mawr College. It is therefore necessary for holders of matriculation certificates to make definite application to the Secretary and Registrar for admission to the college. This application must be formally approved before the candidate will be admitted.

In the admission of students preference will be given to candidates of the highest promise, due regard being paid to examination grades, including the number of points passed, and also to evidence as to character, health, and general ability.

*Divisions
of
Examina-
tion for
Matricu-
lation.*

The examination for matriculation may be taken in three ways:—first, the whole examination, including all the twenty points, may be taken in one examination period (this examination being known as the Combined First and Second Division); second, the examination may be divided between two examination periods and may be taken in two parts known as the First Division and the Second Division; and third, the examination under certain specified conditions which must be strictly observed may be divided among three examination periods and may be taken in three parts known as the Preliminary Division, the First Division, and the Second Division. Not more than one calendar year and a summer vacation may elapse between the First Division and the Second Division. Not more than two calendar years and a summer vacation and not less than two school years may elapse between the Preliminary Division and Second Division. Unless these rules as to time are strictly observed the First Division, or the Preliminary Division, respectively, will be automatically cancelled.

*Preliminary
Division.*

The Preliminary Division of the examination for matriculation was opened to candidates for the first time in the spring of 1916. This examination is planned to meet the wish of the preparatory schools for an examination in which to test the progress made by their pupils two years before completing their preparation for the final examination for matriculation; and also to relieve them from the strain of crowding all their preparatory work into the last two years before the final examination.

In the Preliminary Division candidates may be examined only in the following subjects:

	Points		Points
Algebra*	2	Italian	2†
Plane Geometry*	2	Ancient History	1
Latin Prose Authors	2	English History	1
Greek	3 or 2†	American History	1
French	3 or 2†	New Requirements only: Physi-	
German	3 or 2†	ology and Hygiene or Chemistry,	
Spanish	2†	or Physical Geography or Botany	1

The examinations in the above subjects are the regular matriculation examinations given for admission to Bryn Mawr College.‡ There is no restriction as to the number of points to be passed.

Any point or points passed will be credited in the Preliminary Division Certificate.§ This Preliminary Division may be counted as part of the First Division of the examination for matriculation. The points passed in the Preliminary Division and in the First Division, provided their total number amounts to four points, may be added together and credited in the First Division Certificate. Candidates are not, however, *required* to count the Preliminary Division as any part of the examination for matriculation. Candidates who have received the Preliminary Division Certificate in the Bryn Mawr College Examination for Matriculation may complete their examination either in the Bryn Mawr College examination or in the examinations of the College Entrance Examination Board and receive the First Division Certificate, the Second Division Certificate, and the final Matriculation Certificate from Bryn Mawr College. Candidates may not try the examinations of the Preliminary Division more than once except in the special case of candidates who wish to cancel the Preliminary Division which they have taken and repeat it in the spring or autumn (not winter) examination for matriculation of the following year with the intention (stated in writing) of completing the whole examination for matriculation two years later.

* Candidates may not be examined in *both* Algebra and Geometry in the Preliminary Division except under certain conditions, see footnote, page 180.

† For two point language examinations, see pages 187-188.

‡ For further description and details, see page 183-188.

§ Preliminary Certificates may be exchanged for First Division Certificates in the following special case:—Candidates who have already received the Preliminary Division Certificate and find that they are able to complete the examination for matriculation within one calendar year and the summer vacation, instead of in two years time as was their original intention, may exchange their Preliminary Certificates for First Division Certificates, provided that at least four points have been passed; otherwise the Preliminary Division must be cancelled and the examination for matriculation taken in the usual way, *i. e.*, in two divisions (First Division and Second Division).

Candidates who are not preparing for college may take the Preliminary Division as a test of proficiency in elementary studies.

*First
Division.*

In the First Division of the examination for matriculation candidates may offer any subjects, or points, they please and as many points as they please, provided, however, that they take care to offer a sufficient number of points (at least four) to secure a certificate. First Division Certificates will be given to those candidates who have passed in at least four points. The examination of candidates failing to pass in four points will be cancelled and must be repeated. Candidates are, therefore, advised to offer as many more than four points as possible in order to allow for the possibility of failure in one or more points.

Candidates holding a First Division Certificate must take the Second Division of the Examination for Matriculation within one calendar year and a summer vacation from the time of taking the First Division of the examination for matriculation; otherwise the First Division will be cancelled.*

*Second
Division.*

In the Second Division of the examination for matriculation candidates must be examined in all the points in which they were not examined in the First Division including the Preliminary when taken and must receive the grade of "passed" in at least fifteen of the twenty points required for matriculation in order to receive a complete Matriculation Certificate. In calculating these points all the points credited in the First Division Certificate will be counted. Candidates who have failed in five points may receive a Matriculation Certificate, *they must, however, have been examined in all of these five points*, either in the First Division or in the Second Division, *i. e.*, the final Matriculation Certificate must contain

* First Division Certificates may be exchanged for Preliminary Certificates in the following special case: candidates who have intended to take the matriculation examination of Bryn Mawr in two divisions only (the First Division and the Second Division) and have already received the First Division Certificate but are unable, on account of illness or for some other reason satisfactory to the Entrance Examination Committee of Bryn Mawr College, to take the Second Division of the examination for matriculation within one calendar year and the summer vacation from the time of taking the First Division, may, by consent of the Committee, be permitted to exchange their First Division Certificate for a Preliminary Certificate. Such candidates may accordingly take their examination for matriculation in three divisions like candidates who have planned in advance to take the Preliminary Division two years before completing their matriculation examination.

the grade received by candidates on all the required twenty points.

Not more than one calendar year and a summer vacation may elapse between the First Division and Second Division of the examination for matriculation; otherwise the First Division Certificate will be cancelled.

The whole examination for matriculation, *i. e.*, the Combined First and Second Division, including all the twenty points, may be taken in one examination period, but, unless the circumstances are exceptional, candidates are advised to avoid the strain of taking so many examinations at one time.

*Combined
First and
Second
Division.*

Candidates must be examined in all of the required twenty points and must receive the grade of "passed" in at least fifteen of the twenty points required for matriculation in order to receive a Matriculation Certificate.

The examination is held at Bryn Mawr College in the spring, autumn, and winter of every year and is also held in the spring of every year in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond, St. Louis, and London (England). A fee of eight dollars for the whole or any part of the examination must be paid by each candidate taking the examination at the above mentioned regular examination centres.

*Time and
Place of
Examina-
tion for
Matricu-
lation.*

The examination for matriculation may be arranged by the College at other places in the spring, but not in the autumn or winter, in which case the usual fee of eight dollars per person will be charged.

The examination for matriculation may be held in the spring at yet other places by special request for the benefit of certain schools or groups of candidates who are willing to meet the whole expense of the conduct of the examination by the College. The fee per candidate may be more but will not be less than eight dollars for the whole or any part of such examination.*

* In recent years examinations have been held by request at the following places: Alabama: Gadsden; California: Bonita, Los Angeles, Piedmont, Redlands, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Hartford, Simsbury, Washington, Waterbury; Georgia: Athens; Illinois: Springfield; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Council Bluffs, Davenport, Dubuque, Keokuk; Kansas: Kansas City; Kentucky: Louisville; Louisiana: Shreveport; Maine: Portland; Maryland: Catonsville, Cumberland; Massachusetts: Fall River, Lowell; Michigan: Bay City,

The complete time schedule of the matriculation examination is printed at the end of this volume.

*Applica-
tion to take
Examina-
tion for
Matricu-
lation.*

Application to take either the whole or any part of the examination for matriculation must be made in advance to the Secretary and Registrar of Bryn Mawr College, in accordance with prescribed regulations which differ according to the way in which the examination for matriculation is to be taken, whether at one time or in one of the three divisions (Preliminary Division, First Division or Second Division) into which it may be divided; and also according to the time and place of the examination. For this reason candidates and principals of preparatory schools are requested to read carefully the following regulations which are not subject to alteration:

A fee of eight dollars is charged for the whole or any part of the examination. Candidates holding a matriculation certificate must pay three dollars for each condition examination.

*Application
for
Spring
Examination.*

Candidates who intend to take the spring examination at Bryn Mawr College are required to make application for this examination to the Secretary and Registrar on or before May 15th on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of eight dollars. Candidates who apply for examination after May 15th will be charged an additional fee of eight dollars, or sixteen dollars in all.

Candidates who intend to take the Bryn Mawr College examination for matriculation elsewhere than at Bryn Mawr are required to make application for this examination to the Secretary and Registrar of the College on or before April 15th

Detroit, Grand Rapids, Houghton, Marquette; Minnesota: Faribault, Minneapolis; Missouri: Hannibal; Montana: Helena; Nebraska: Omaha; New Jersey: Lakewood, Plainfield, Princeton, Trenton; New York: Albany, Auburn, Clinton, Cooperstown, Garden City, Glens Falls, Lake George, New Rochelle, Rochester, Rye, Saratoga Springs, Schenectady, Tarrytown; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Altoona, Bellefonte, Bradford, Greensburg, Harrisburg, Hazleton, Johnstown, Lancaster, Oxford, Scranton, Wilkes-Barre, York; Rhode Island: Providence; South Carolina: Charleston; South Dakota: Yankton; Tennessee: Memphis, Nashville; Texas: Dallas, Galveston, Houston; Utah: Salt Lake City; Vermont: Burlington; Virginia: Middlebury; Washington: Seattle; West Virginia: Wheeling; Wisconsin: Fond du Lac, Milwaukee; District of Columbia: Washington; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus.

and to follow the same procedure as in the case of candidates taking the spring examination at Bryn Mawr.*†

Candidates who intend to take the examination for matriculation at Bryn Mawr in the autumn or winter are required to make application for this examination to the Secretary and Registrar on or before September 15th, or January 1st, respectively, on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of eight dollars. Candidates who apply for examination after September 15th and January 1st, respectively, will be charged an additional fee of eight dollars, or sixteen dollars in all.

*Application
for
Autumn
and
Winter
Examina-
tions.*

Attention is called to the fact that the examination for matriculation is given in the autumn and winter at Bryn Mawr College only.

The Preliminary Division of the examination for matriculation may not be taken in the winter, but only in the spring and autumn.

Candidates who intend to take the Preliminary Division, or the First Division, or to pass off conditions imposed in a previous examination for matriculation, must follow the procedure outlined under the heading Application for Spring Examination, or Application for Autumn and Winter Examinations according to the time at which they wish to be examined. They must state in their application whether they intend to take the Preliminary Division or the First Division or to pass off conditions. Candidates wishing to take the Preliminary Division must send with their application a statement in writing made by their school principal, their private tutor, or by themselves that they are taking the Preliminary division two years before they expect to complete the examination for the matriculation certificate.

*Application
to take
Preliminary
Division
or
First Division
or to
Pass Off
Conditions*

* When the examination for matriculation is specially conducted by the College at the request of schools or groups of candidates the charge per candidate taking the examination may be more than eight dollars but in no case will it be less, see page 171.

† For regulations governing those candidates who substitute for the Bryn Mawr College Examination for Matriculation the examinations held by the College Entrance Board, see pages 181-182.

*Application
to take
Combined
First and
Second
Division
or
Second
Division of
Examination
for
Matricula-
tion.*

Candidates who intend to complete the examination and thus become eligible to receive the Matriculation Certificate must follow the procedure outlined under the heading Application for Spring Examination or Application for Autumn and Winter Examinations according to the time at which they wish to be examined. They must state in their application whether they intend to take the whole examination for matriculation at one time, *i. e.*, the Combined First and Second Division, or the Second Division. If the examinations are being offered for admission to the college the candidate must also send to the Secretary and Registrar a request for a certificate of admission.

*Matricu-
lation
Scholar-
ships.*

Four competitive matriculation scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final matriculation certificates in the spring matriculation examinations of Bryn Mawr College. One scholarship is awarded in each of the following districts: (a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where the Bryn Mawr College examination for matriculation is held. These scholarships, which are to be held for one year only, are awarded in each of the above-named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declara-

tion of candidacy being required. The candidate in each district whose grades are next highest to the winner of the scholarship for that district will receive Honourable Mention.

Examinations for Advanced Standing.

Candidates who wish to enter the college with advanced standing may offer the following subjects in addition to the twenty points required for the Matriculation Certificate: the Minor Course in Latin, Section A and Section B, counting as three and two hours throughout one year;* matriculation Greek, French or German (provided this was not taken in the examination for matriculation), counting as five hours throughout one year; trigonometry,† counting as two hours throughout one semester; Solid Geometry† counting as two hours throughout one semester. All of these subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work.

**Examina-
tions for
Advanced
Standing.**

Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies but will not enable her to shorten the time of

* The minor course in Latin may be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, Selected Letters, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Terence, *Phormio*, *Adelphoe* and *Andria* or by special request registered three months before the examination, Livy, *Book xxi*, and Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i, 25, 27, 33, 36; ii, 5; iii, 6, 15, 20; iv, 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Sarculare*; *Satires* i, 1, 5, 6, 9; ii, 6; *Epistles* i, 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

† For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 182.

obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

**Examination
to remove
Conditions.**

Candidates holding Matriculation Certificates may remove conditions at any time before entering the college by passing the corresponding examinations in any of the regular periods at which the examination for matriculation is given. The usual fee of three dollars must be paid for each condition examination. Candidates are advised whenever it is at all possible to remove their conditions before entering the college, as the penalties imposed on freshmen for failing to pass off matriculation conditions are serious, and the time that must be spent in the necessary reviewing interferes materially with their college work.*

Candidates who have taken only the preliminary or first division examinations and have not received the complete matriculation certificate may pass off conditions only when offering a later division of examination, *e.g.*, conditions received in the first division may be passed off only with the second division examination or after the matriculation certificate has been received.

Matriculation conditions also may seriously disarrange their college course. Students with matriculation conditions in Greek, Latin, English, French, German, or Mathematics are not permitted to attend college courses in these subjects until the conditions have been passed off. As these courses run throughout the year conditioned students are prevented from taking them in their freshman year. Conditions in history or in science, except physics, do not exclude students from college classes in history or science.

Point System.

**Explanation
of Point
System.**

Assuming the usual amount of preparatory work, the number of points allotted to each subject in the examination for matriculation indicates approximately the time which

* Students must pass off all matriculation conditions within the first semester after entering the college under penalty of exclusion from full college work during the second semester. Students who have not passed off all their matriculation conditions at the end of the second semester after entering the college will be required to withdraw from the college for one year (an exception being made in the case of students conditioned in one point only, such students being permitted to take an examination in this point in the following September, the penalty for failure to pass being in this case also withdrawal from the college for one year). Students must pay a fee of three dollars for each conditioned matriculation examination.

pupils should devote to preparation in that subject during the last six years of their preparatory school course if a point is regarded as four or five recitation periods a week throughout one school year. If, for example, candidates take their matriculation examination under the New Requirements and study five subjects a year during the last six years of preparation for college, then Mathematics, Latin, and English should be studied four or five periods a week for four years each since each counts as four points in the examination; Ancient History and English History should each be studied for four or five periods a week for one year, since each counts as one point; Physics and Elementary Science should be studied for two or if possible for three years, since together they count as three points; and one of the three languages Greek or French or German should be studied for five periods a week for at least three years, since each counts as three points. The minimum time, therefore, that should be spent in preparing for the matriculation examination under the New Requirements is nineteen school periods a week for six years, leaving free for a daily study period and other non-college preparatory subjects eleven periods a week throughout these six years. The point system assumes that the school work in the last six years before entering the college rests on a foundation of solid work in the elementary school.

Matriculation Subjects.

The examination for matriculation in Bryn Mawr College is planned to furnish the best possible foundation for the work required of all candidates for the bachelor's degree in the college and at the same time to give the best possible mental discipline and liberal training both to candidates entering the college and to those who are unable to continue their studies beyond the preparatory school. Certain subjects, such as Latin, Mathematics, English, Physics, Ancient History, one additional ancient or modern foreign language are regarded as essential elements of a thorough school course. Certain other subjects are regarded as less essential to be taken before entering the college and between such subjects certain options are permitted. The New Matriculation Requirements (which came into effect for the first time as optional examinations in 1918

*Subjects
Required
in the
Examina-
tion for
Matricu-
lation.*

and which will become obligatory in and after the spring of 1923) throw more emphasis on history and science and less on language although an optional examination in a fourth language* in addition to Latin and English and the third language required of all candidates may still be taken if preferred. Such candidates must, however, supplement their lack of preparation in history and science by electing courses in these subjects during their college course. The New Requirements also permit examinations in Italian and Spanish to be offered for matriculation under certain conditions. Attention is called to the fact that candidates who do not wish to study German may offer for the matriculation examination and also later in their college course Greek or French or Italian or Spanish.

Examination for Matriculation.

**Tabular
Statement
of
Subjects
Required
in
Examina-
tion for
Matricu-
lation.**

The examination† known as the Old Requirements will be accepted until the winter of 1923, but candidates may also offer the examination known as the New Requirements. The Old Requirements and the New Requirements may not, however, be combined. Candidates intending to complete their examination for matriculation in 1923 must take the New Requirements examination in the Preliminary Division and in the First Division of the examination for matriculation.

Examination for Matriculation, Old Requirements. Tabular Statement.

I. Required of all candidates.

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry.....	2
Latin Grammar and Prose Composition.....	1
Latin Prose Authors.....	2
Latin Poets.....	1
English Literature.....	2
English Composition.....	2
Ancient History.....	1
Physics.....	1

* In this connection it should be noted that if a fourth language is offered in the examination for matriculation and kept up during the freshman and sophomore years it will greatly lighten the work of preparing for the language examination required of all students at the beginning of the junior year.

† Printed sets of matriculation papers may be obtained for 75 cents from the Secretary and Registrar of the College.

II. Two of these three languages required of all candidates.

<i>Subjects.</i>		<i>Points.</i>
Greek Grammar and Prose Composition.....	1	} Two of these three languages ... 6
Greek Prose Authors.....	1	
Greek Poets.....	1	
French Grammar and Composition.....	1	
French Translation	2	
German Grammar and Composition.....	1	
German Translation.....	2	
		— 20

Examination for Matriculation, New Requirements.

Obligatory for candidates in and after the spring of 1923. Before the spring of 1923, candidates may offer *either* this examination *or* the Old Requirements examination, but may not combine the two forms of examination. Candidates completing their examination for matriculation in 1923 must take these examinations in the Preliminary Division and in the First Division also.

*Tabular Statement.***I. Required of all candidates.**

<i>Subjects.</i>	<i>Points.</i>
Algebra.....	2
Plane Geometry.....	2
Latin Grammar and Prose Composition.....	1
Latin Prose Authors.....	2
Latin Poets.....	1
English Literature.....	2
English Composition.....	2
Ancient History.....	1
Physics.....	2

II. One of these three languages required of all candidates.

<i>Subjects.</i>		
Greek Grammar and Prose Composition.....	1	} One of these three languages ... 3
Greek Prose Authors.....	1	
Greek Poets.....	1	
French Grammar and Composition.....	1	
French Translation	2	
German Grammar and Composition.....	1	
German Translation.....	2	

III. One of the following two groups of two points required of all candidates.

GROUP ONE.*		Points.
<i>Subjects.</i>		
English History or American History.....	1	2
Science, (Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany).....	1	
or		
GROUP TWO.†		
<i>Subjects.</i>		
Greek Grammar and Composition and Translation	2	One of these languages..... 2
French Grammar and Composition and Translation	2	
Italian Grammar and Composition and Translation	2	
Spanish Grammar and Composition and Translation	2	
German Grammar and Composition and Translation	2	
		20

The Preliminary Division.

Candidates who wish to take some of their examinations two years before entering the college may avail themselves of the Preliminary Division which may be taken either in the spring or autumn of any given year. The subjects that may be offered in this Division are as follows:

<i>Subjects.</i>	<i>Poin/s</i>
Algebra.....	2
Plane Geometry‡.....	2
Greek.....	3 or 2§
French.....	3 or 2§
German.....	3 or 2§
Spanish.....	2§
Italian.....	2§

* Candidates are advised to select Group One whenever possible. Candidates who select Group Two are required to make good their deficiency in history and science after they enter the college by electing as courses required for the bachelor's degree history, five hours a week for one semester and science (in addition to the year of required science and not counting as a second year of science), five hours a week for one semester; or history, five hours a week for one year, provided history has not been selected as a group subject; or science, five hours a week for one year, provided science has not been selected as a group subject.

† Candidates offering Group Two must not select for examination a language which they have offered, or intend to offer, for the three-point examination in language required of all candidates. Candidates who select Group Two and offer for examination the two-point option in Greek, French, Italian, Spanish, or German must pass a supplementary examination after entering the college, provided they wish to enter one of the regular minor courses in this language. All the minor courses in language are based on the amount of preparation required for a three-point matriculation examination, except Latin and English, which assume preparation equivalent to at least four points.

‡ If Algebra and Geometry are offered in this examination, the candidate must undertake to offer Solid Geometry or Trigonometry before entrance, and at least one of the four papers Algebra, Plane Geometry, Solid Geometry and Trigonometry must be offered by the candidate in the first or second division of the examination.

§ For the two-point language examinations, see pages 187-188.

<i>Subjects.</i>	<i>Points.</i>
Latin Prose Authors*.....	2
Ancient History.....	1
English History, or American History (New Requirements)	1
Science, either Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany (New Requirements).....	1

For a full explanation of this examination, see pages 168-169 and 173.

Examination of the College Entrance Examination Board.

The Examinations of the College Entrance Examination Board which are designated below as equivalent to the matriculation examinations of the college will be accepted for admission to the college, subject to the same conditions† which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

In case a sufficient number of points to secure a Matriculation Certificate is not passed in two divisions of the examination the points taken in one division must be cancelled, and all the points offered in the cancelled division (except those points which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the points in which the candidate has been conditioned to ensure her passing in the required number of points.

Candidates who have passed the fifteen points necessary to receive a Matriculation Certificate may remove conditions by passing the corresponding examinations in the Bryn Mawr College examination for matriculation or in the examination of the College Entrance Examination Board.

Candidates taking the College Entrance Examination Board's examinations will not be considered in the awarding of the four Bryn Mawr competitive entrance examination scholarships, of the value of one hundred dollars, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible for these scholarships when the finals are taken in the autumn examination.

* This subject is included in the hope that the schools will be able to readjust their work so as to offer it in this examination.

† See for division of examinations pages 168-171.

TABLE OF EXAMINATIONS OF THE COLLEGE ENTRANCE EXAMINATION BOARD EQUIVALENT TO THE BRYN MAWR COLLEGE EXAMINATION FOR MATRICULATION.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
<i>Subjects.</i>		<i>Subjects.</i>	<i>Points.</i>
Mathematics: Algebra, A.....	=	Algebra.....	2
Mathematics: C.....	=	Plane Geometry.....	2
Latin: 1 and 6, taken together.....	=	Latin Grammar and Prose Composition	1
Latin: P.....	=	Latin Prose Authors.....	2
Latin: Q.....	=	Latin Poetry.....	1
English: A.....	=	English Composition.....	2
English: B.....	=	English Literature.....	2
History: A.....	=	Ancient History Old and New Requirements.....	1
History: D.....	=	English History New Requirements...	1
History: E.....	=	American History New Requirements.	1
Greek: F.....	=	Greek Grammar and Composition Old and New Requirements.....	1
Greek: G.....	=	Greek Prose Authors Old and New Requirements.....	1
Greek: CH.....	=	Greek Poetry Old and New Requirements.....	1
Greek, Cp. 3.....	=	Greek Grammar and Composition, Prose Authors and Poets, Old and New Requirements.....	3
Greek: F and G or F and CH or G and CH taken together.....	=	Greek two-point option.....	2
French: Cp. 3.....	=	French Grammar and Translation Old Requirements.....	3
French: Cp. 2.....	=	French two-point option.....	2
French: Cp. 4.....	=	French Grammar and Composition and Translation New Requirements	3
German: Cp. 3.....	=	German Grammar and Translation Old Requirements.....	3
German: Cp. 2.....	=	German two-point option.....	2
German: Cp. 4.....	=	German Grammar and Composition and Translation New Requirements	3
Spanish: Cp. 2.....	=	Spanish two-point option.....	2
No Equivalent.....	=	Italian two-point option.....	2
Physics.....	=	Physics Old and New Requirements 1 or 2	
Physics, Comprehensive.....	=	Physics Old and New Requirements 1 or 2	
Chemistry.....	=	Chemistry New Requirements.....	1
Chemistry Comprehensive.....	=	Chemistry New Requirements.....	1
Botany.....	=	Botany New Requirements.....	1
Geography.....	=	Physical Geography New Requirements	1
Biology.....	=	Physiology and Hygiene New Requirements.....	1

Examinations for Advanced Standing.

Mathematics: D.....	=	Solid Geometry.
Mathematics: E.....	=	Trigonometry.
No Equivalent.....	=	Minor Latin.

Definition and Description of Subjects of Examination for Matriculation.

I. Mathematics.—Algebra. (Counting as two points.) Plane Geometry. *Mathematics.*
(Counting as two points.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Theory of Indices, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in all the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text-books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations: C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham), Young and Jackson's *Elementary Algebra*, Hall and Knight's *Algebra*; Phillips and Fisher's *Elements of Geometry* (abridged edition), Wentworth's *Geometry*.

II. Latin.—Grammar and Composition. (Counting as one point.)
Translation at sight of simple passages in Latin prose. (Counting as two points.) Translation at sight of simple passages of Latin poetry. (Counting as one point.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

Latin.

The Latin read in preparation may be selected from Cæsar (*Galic War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations*, *Letters*, and *De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Æneid*, *Bucolics*, and *Georgics*), and Ovid (*Metamorphoses*, *Fasts*, and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Galic War*, I–IV, Cicero, *Manilian Law*, *Archias*, and four *Orations against Catiline*, and Vergil, *Æneid*, I–VI. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

English Literature. (Counting as two points.) English Composition. (Counting as two points.) In consequence of changes recently made in the college course in English Composition and after consultation with a number of preparatory schools, the collegé has modified the matriculation examinations in English.

English.

The English examination is in two parts, neither of which may be taken as a preliminary: Part I, Literature; Part II, Composition. As a basis for the examination a list of books is prescribed chosen from the list agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States. From the Bryn Mawr list such a selection should be made as will give the candidate a fair idea of the progress of English literature from the time of Shakespeare to the Nineteenth Century. An intelligent reading, not a detailed knowledge of these books is expected, though it is hoped that the candidate will commit to memory some of the best passages of prose and poetry. For the better understanding of her reading she should be familiar with the important

events in the lives of the authors that she studies and with the general character of the periods to which they belong. In Part I of the examination passages outside the prescribed reading will also be given to test the candidate's ability to read intelligently, and the definition of words and the explanation of well-known references and allusions will be asked for.

The candidate's ability to write English will be judged by the form and quality of her work in both parts of the examination and, in particular, by a composition of 350 words which will constitute Part II of the examination. In this composition the candidate will be asked to develop a theme through several paragraphs to its conclusion. Of three or four subjects assigned for the choice of the candidate, one will be on the reading prescribed for the examination and two or three will relate to matters of general knowledge or personal experience.

No separate paper on Grammar and Punctuation is set, but the candidate's knowledge of these subjects will be judged by her practice. Ability to punctuate her own sentences correctly is expected, and a knowledge of grammar and good usage—for example, of the different kinds of sentences and the relation of clauses within the sentence, of the sequence of tenses, and of the use of auxiliaries, prepositions, conjunctions and verbs.

In grammar and rhetoric no text-books are prescribed, but the following will suggest the preparation required: Boynton, *Principles of Composition* (Ginn and Co.); Robins and Perkins, *Introduction to the Study of Rhetoric* (Macmillan); *Manual of Composition and Rhetoric*, Gardiner, Kittredge, and Arnold (Ginn and Co.).

The Department of English will be glad to consider comments and suggestions from the schools relative to the examination. Such communications should be sent to the Secretary and Registrar of the College.

Reading. The English examination will be based on the following books chosen from the list of books prepared by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States.

A. All selections in this group are to be read, due regard being paid to the alternatives offered among Shakespeare's plays. Shakespeare: 3 plays—1 comedy, 1 tragedy, and 1 history—are to be chosen from the following list. *A Midsummer Night's Dream, The Merchant of Venice, As You Like It; Julius Caesar, Macbeth; Richard II, Henry V, Richard III.* Addison and Steele, *The Sir Roger de Coverley Papers*; Burke, *Speech on Conciliation with America; The Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats and Shelley; Coleridge, *The Ancient Mariner*.

B. Two selections are to be made from each of the following four groups: 1. *A Collection of English and Scottish Ballads*, as, for example, some Robin Hood ballads, *The Battle of Otterburn, King Estmere, Young Beichan, Bewick and Grahame, Sir Patrick Spens*, and a selection from later ballads; Milton, *L'Allegro, Il Penseroso*, and either *Lycidas* or *Comus*; *The Golden Treasury* (first series), Books II and III; Pope, *The Rape of the Lock*; Macaulay, *Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivy*.

2. Scott, *The Lady of the Lake* or *Marmion*; Byron, *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*; Browning, *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Lost Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus," Instans Tyrannus*; Tennyson, *The Princess*, or *Gareth and Lynette, Lancelot and Elaine*, and *The Passing of Arthur*; Arnold, *Sohrab and Rustum* and *The Forsaken Merman*.

3. Lamb, *Essays of Elia* (about 200 pages); Macaulay, *Life of Johnson* or *Essay on Milton*; Ruskin, *Sesame and Lilies*; Stevenson, *An Inland Voyage* or *Travels with a Donkey*; Huxley, *Autobiography* and Selections from *Lay Sermons* including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*.

4. Bunyan, *Pilgrim's Progress*, Part I; Swift, *Gulliver's Travels* (*Lilliput* and *Brobdingnag*); Defoe, *Robinson Crusoe*; Scott's Novels, any one; Jane Austen's Novels, any one; Dickens' Novels, any one; Thackeray's Novels, any one; George Eliot's Novels, any one; Stevenson, *Treasure Island*, *Kidnapped*, *Master of Ballantrae*; Hawthorne, *House of the Seven Gables*.

IV. History.—The outlines of Ancient History. (Counting as one point.)

History.

In Ancient History the period covered will extend from the rise of Egypt and Babylonia to the coronation of Charlemagne in 800 A. D. Most attention will be given to the history of Greece and Rome, less to the history of the oriental empires and to the time following the Germanic invasions. Knowledge of the geographical setting of events will be tested by questions referring to an outline map furnished in the examination. It will be assumed that more instruction has been given in narrative than in constitutional history. Questions will be asked about the social life of the ancient world as well as about the general development of its thought and art. Standard texts, such as Breasted's *Ancient Times*, Westermann's *Story of the Ancient Nations*, Goodspeed-Ferguson's *History of the Ancient World*, Webster's *Ancient History*, Botsford's *History of the Ancient World*, and West's *Ancient History* (revised) should serve as a suitable basis for instruction. Supplementary reading on selected topics and the writing of papers relating to this reading are desirable exercises. Teachers will find useful such interpretations as Zimmern's *Greek Commonwealth*, Ferguson's *Greek Imperialism*, Dickinson's *Greek View of Life*, Fowler's *Social Life at Rome in the Age of Cicero*, Frank's *Roman Imperialism*, and Dill's *Roman Society from Nero to Marcus Aurelius*.

V. Physics.—For candidates offering the matriculation examination (New Requirements) Physics will count as two points, and for those offering the matriculation examination (Old Requirements) a different examination paper will be set and the subject will count as one point.

Physics.

Physics should be studied in one or both of the last two years of preparation for college, the equivalent of at least one year being devoted to the subject with five periods weekly of at least forty minutes each for recitations and demonstrations. Two additional periods of laboratory work should be required and regarded as part of the outside preparation. A brief statement of the laboratory work of each candidate should be prepared by the teacher or tutor and submitted at the time of the examination. It should include an estimate of the quality as well as of the amount of work done by the candidate. A specimen examination paper, to be obtained from the Secretary and Registrar of the College, may be taken as fairly typical of the papers that will be set.

The New Requirements examination is planned to be a test of the student's understanding of fundamental principles as presented in any modern elementary text-book of Physics. A minute knowledge of the subject will not be demanded and all the topics usually treated in an elementary book need not be studied with equal thoroughness. For example, levers should be studied carefully but their classification need not be memorized; some knowledge of the Daniell cell should be obtained but details of other cells may be omitted; detailed descriptions of engines, dynamos, and motors should be used only as illustrating principles; alternating currents may be studied only in a general way. Further, in order that there may be sufficient time to be used in studying other parts of the subject, the examination will not for the present include questions on Sound.

A knowledge of decimals and of elementary algebra will be assumed in the examination. Nevertheless, in assigning problems teachers are advised to keep in mind that the object of such work is to illustrate principles rather than to give practice in calculation.

No particular text-books are prescribed, but among books that may be used are Millikan and Gale's *A First Course in Physics* and *Laboratory Manual*, Black and Davis's *Practical Physics*, N. Henry Black's *A Laboratory Manual in Physics*. For supplementary reading *Physics of the Household*, by C. J. Lynde, will be found helpful.

VI. Two of the following languages:

Greek.

Greek.—Grammar and Composition. Very simple prose composition with words and construction taken from Xenophon's *Anabasis*, with questions to test the knowledge of regular forms and the rules of elementary syntax. (Counting as one point.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*, with questions on the parts of verbs and syntax involved. (Counting as one point.) Translation at sight of passages of average difficulty from Homer. (Counting as one point.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

French.

French.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French. There will be a passage of English to be translated into French accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This examination is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned. The passages for translation given in the New Plan Examinations will be somewhat more difficult than those given under the old requirements. They will be accompanied by questions in grammar and syntax based on the text.

Teachers preparing students who wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

German.

German.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German. There will be a passage of English to be translated into German accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned. The passages for translation given in the New Plan Examinations will be somewhat more difficult than those given under the old requirements. They will be accompanied by questions in grammar and syntax based on the text.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

NEW REQUIREMENTS EXAMINATIONS.

These examinations are optional until the winter of 1923. In and after the spring of 1923 they will be obligatory for all candidates taking the examination for matriculation. Candidates completing their examination for matriculation in 1923 are required to take the Preliminary Division and the First Division according to the New Requirements. Both in the Old Requirements and in the New Requirements all candidates must take Mathematics, Latin, English, Ancient History, and Physics. There is no change in these subjects or in the points they represent except that in the New Requirements Physics counts two points instead of one point as in the Old Requirements. Both in the Old Requirements and in the New Requirements all candidates must take an examination counting three points in Greek, or French, or German, known as the language three-point examination. This examination is based on a four years' course of preparation, not a three years' course as in the Old Requirements. The three-point examination in the fourth language which was obligatory in the Old Requirements is done away with in the New Requirements and two examinations, each counting one point, in English History or American History and in one of the four sciences (Physiology and Hygiene, Chemistry, Physical Geography, or Botany) are substituted for it.

*New
Require-
ments
Examina-
tions.*

History.—The outlines of the History of England; or the outlines of the History of the United States. (Counting as one point.)

History.

Cheyney's *A Short History of England*, and *Readings in English History*, Larson's *Short History of England*, and McLaughlin's *History of the American Nation*, Adams and Trent's *History of the United States*, or Muzzey's *History of the United States*, indicate the preparation required in the History of England and the United States.

Science.—The elements of one of the following sciences:—Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany. (Counting as one point.)

Science.

Stiles's *Human Physiology and Nutritional Physiology* or Hough and Sedgwick's *Human Mechanism* supplemented by demonstration and laboratory work; Alexander Smith's *Text-book of Elementary Chemistry*, Newell's *Descriptive Chemistry*, W. A. Noyes' *College Chemistry*, Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*, Atkinson's *High School Botany* or Bergen Caldwell's *Practical Botany* and Coulter's *Plant Life and Plant Uses* will serve to indicate the preparation required.

TWO-POINT OPTION IN LANGUAGE.

For the above examinations in History and Science, counting one point each, candidates may substitute an examination counting two points in a fourth language (in addition to Latin and English and the third language required of all candidates) and may choose for this examination any one of the five languages, Greek, French, Italian, Spanish, or German which has not been offered, or will not be offered, for the third examination in Language.*

*Two-Point
Option in
Language.*

* Only Greek or French or German may be offered for the three-point language examination. Italian or Spanish may not be offered.

*Two-Point
Greek*

Greek.—Candidates may offer two of the three points, Grammar and Composition, one point, Prose Authors, one point, and Poets, one point. The two examinations must be taken in the same examination period.

The examination will test the knowledge of Greek that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in Greek in the examination for matriculation will not be permitted to enter the minor course in Greek given in the college without a supplementary examination.

*Two-Point
French.*

French.—Grammar and Composition and Prose and Verse Translation. (Counting as two points.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French, and also the candidate's power to read at sight simple French prose and verse.

The examination will test the knowledge of French that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in French in the examination for matriculation will not be permitted to enter the minor course in French given in the college without passing a supplementary examination.

*Two-Point
Italian.*

Italian.—Grammar and Composition and Translation at sight of simple passages in Italian prose and verse. (Counting as two points.)

The examination will test the knowledge of Italian that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in Italian in the examination for matriculation will not be admitted to the minor course in Italian given in the college without passing a supplementary examination.

Italian Grammar—Grandgent (Heath and Co.); Italian Grammar—Phelps (Ginn and Co.); First Italian Book by Ernest H. Wilkins, University of Chicago Press; Italian Short Stories, ed. Wilkins and Altrocchi (Heath and Co.) are recommended as test-books.

*Two-Point
Spanish.*

Spanish.—Grammar and Composition and Translation at sight of simple passages in Spanish prose and verse. (Counting as two points.)

The examination will test the knowledge of Spanish that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered the two-point option in Spanish in the examination for matriculation will not be permitted to enter the minor course in Spanish given in the college without passing a supplementary examination.

Olmsted's First Course in Spanish (Henry Holt and Co.); Hills and Ford's First Spanish Course (D. C. Heath and Co.); Schewill's A First Reader in Spanish (Ginn and Company); De Haan and Morrison's Cuentos Modernos, (D. C. Heath and Co.); Marcial Dorado's Reader, España Pintoresco (Ginn and Co.), are recommended as text-books.

*Two-Point
German.*

German.—Grammar and Composition and Prose and Verse Translation. (Counting as two points.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German, and also the candidate's power to read at sight simple German prose and verse.

The examination will test the knowledge of German that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in German in the examination for matriculation will not be permitted to enter the minor course in German given in the college without passing a supplementary examination.

REQUIREMENTS FOR DEGREES.

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours* and must have obtained an examination grade above that of "passed," that is, the grade of low merit,† or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of two of the five languages, Greek, French, Italian, Spanish or German‡ and must have passed the matriculation examination in Latin. She must have attended college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;§ she must have fulfilled the requirements of the departments of health, athletics and gymnastics.

*Studies
Leading
to the
Degree of
Bachelor
of Arts.*

If, at the end of her junior year, or in February of her senior year, a student has received a grade *below* low merit in as many as one-half the one hundred and twenty hours* required for her degree that she has offered for examination, she will be required to withdraw from the college; and students who have not obtained low merit in as many as one-half of the hours offered for examination, or have been conditioned in five or more hours, are liable to be asked to withdraw at the end of any semester and are to be regarded as on probation.

No student who has received a grade below low merit in as many as one-half of the hours that she has taken of the 120 hours required for her degree will be permitted to hold office in any of the organizations of the college, or of the student body, to take part in any entertainment requiring preparation, to undertake any paid work or to compete for, or hold any college scholarship.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

*Required
Studies.*

*The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination (including Minor Latin and Matriculation Greek when taken in the examination for matriculation and advanced standing examinations in foreign languages) and also trigonometry, and solid geometry when offered for advanced standing must be counted. A grade once received may not be cancelled.

† Since this merit law went into effect in 1907 no student who has not fulfilled the requirements as above stated has received a degree.

‡ If Greek is the language offered for entrance French or German must be offered for examination at the beginning of the junior year.

§ Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

Elementary Greek or Minor Latin, five hours a week for one year. Those students, however, who offered Greek in the examination for matriculation may substitute for the elementary course in Greek the minor course in Greek or the minor course in Latin.* These courses may not be taken later than the junior year.

English, five hours a week for two years.

Philosophy and Psychology, five hours a week for one year.

Science, five hours a week for one year.

Post-major courses in one or both group subjects, five hours a week for one year; or *Any other subject*, five hours a week for one year.

*Major
Courses.*

Two Major Courses, of five hours a week for two years each, constituting one of the following groups: any Language with any Language;† History with Economics and Politics, or with French, or Italian, or Spanish or German or History of Art; Economics and Politics with Philosophy, or with Psychology, or with Geology; Philosophy or Psychology, or Philosophy and Psychology‡ with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology or Geology; Psychology with Biology; Classical Archæology with Greek or Latin; History of Art with English, or French, or Italian, or Spanish, or German or Philosophy; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

*Free Elective
Courses.*

Free Elective Courses,§ amounting to five hours a week for two years (10 hours in all), to be chosen by the student. It should be noted that any minor course may be taken as a free elective without electing the group that includes it, and any courses open as free electives may be chosen without taking the remainder of the minor course of which they may form a part.

* A student choosing Greek as one of the subjects of her group, and not wishing to study Latin, may substitute for the year of Greek five hours a week for one year of post-major Greek, or a year of French, or Italian, or Spanish, or German.

A student choosing Latin as one of the subjects of her group and not wishing to study Greek may substitute for the year of minor Latin five hours a week for one year of post major Latin, or a year of French, or Italian, or Spanish, or German.

† For the purpose of forming a group with another language, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

‡ For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.

§ Students who have offered in the examination for matriculation the two-point option in foreign languages permitted in the New Requirements in place of history, one point, and science, one point, are required to take five hours of free elective in history and science as follows: history, five hours a week for one semester and science (in addition to the year of required science), five hours a week for one semester; or history, five hours a week for one year, provided history has not been selected as a group subject; or science, five hours a week for one year, provided science has not been selected as a group subject.

Reading Knowledge of Two Languages. At the beginning of the sophomore, junior and senior years every undergraduate student is required to take a written examination of one hour in length in the language, Greek,* or French, or German, that she has offered for matriculation. If she fails to pass this examination she is required to attend, and pay for, special classes in the language one or two hours a week throughout the year in question. If she fails to pass this examination at the beginning of her senior year she must take another examination on the Saturday preceding the final examinations of the year in question. Failure to pass will defer her degree until the following year.

*Reading
Knowledge
of two
Languages.*

At the beginning of the junior year every member of the junior class is required to take a written examination of one hour in length in one of the languages Greek, or French, or Italian, or Spanish, or German, but the language selected may not be the one offered for matriculation, and students who have offered Greek for matriculation must offer for their junior examination either French or German. If the student fails to pass this examination she is required to attend during her junior year the elementary course in the language in which she has failed, unless she has already taken this course. In this case she must attend a special class in the language two hours a week throughout the year and must pass an examination in it at the beginning of her senior year. The examination must be passed before the degree is conferred.

The studies required for a degree may for convenience be tabulated as follows:

*Tabular
Statement*

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.†
English. [Two Courses.]	Philosophy and Psychology.	Science: Physics, or Chemistry, or Geology, or Biology.	Post-major courses in one or both group subjects or Five hours a week for one year in any other subject.	Elementary Greek, or Minor Latin (or Minor Greek.)

* Students who have taken any two or three hour course in Greek throughout the year except the major or elective course in Greek literature, and passed the examinations at the end of each semester are exempt from the examination in Greek at the beginning of the following year.

† Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year. Students selecting Greek or Latin as one of their group subjects are referred to the footnote, page 190.

Two Major Courses (Five hours a week for Two Years Each).

Constituting any one of the following seventy-one groups:

I—XXV. Any Language with any Language* (Twenty-five Groups).	XXVI. Modern History with French.	XXVII. Modern History with Italian.	XXVIII. Modern History with Spanish.
XXIX. Modern History with German.	XXX. Modern History with Economics and Politics.	XXXI. Modern History with History of Art.	XXXII. Economics and Politics with Philosophy.
XXXIII. Economics and Politics with Geology.	XXXIV. Philosophy with Greek.	XXXV. Philosophy with Latin.	XXXVI. Philosophy with English.
XXXVII. Philosophy with Psychology.	XXXVIII. Philosophy with Mathematics.	XXXIX. Philosophy with Physics.	XL. Philosophy with Geology.
XLI. Philosophy and Psychology with Economics and Politics.	XLII. Philosophy and Psychology with Greek.	XLIII. Philosophy and Psychology with English.	XLIV. Philosophy and Psychology with Mathematics.
XLV. Philosophy and Psychology with Physics.	XLVI. Psychology with Economics and Politics.	XLVII. Psychology with Greek.	XLVIII. Psychology with English.

* For the purpose of forming a group with another language, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

XLIX.	L.	LI.	LII.	
Psychology with Mathematics.	Psychology with Physics.	Psychology with Biology.	Classical Archæology with Greek.	
LIII.	LIV.	LV.	LVI.	LVII.
Classical Archæology with Latin.	History of Art with English.	History of Art with French.	History of Art with Italian.	History of Art with Spanish.
LVIII.	LIX.	LX.	LXI.	LXII.
History of Art with German.	History of Art with Philosophy.	Mathematics with Greek.	Mathematics with Latin.	Mathematics with Physics.
LXIII	LXIV.	LXV.	LXVI—LXXI.	
Mathematics with Chemistry.	Mathematics with Geology.	Mathematics with Biology.	Any Science with any Science (Six Groups).	

*Free Elective Courses.**

Ten hours a week for one year in any subject, or subjects, the student may elect.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation Greek, and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

* See, however, footnote to page 190 for statement restricting five hours a week for one year of free elective for students who have offered for matriculation the two-point option in a foreign language in place of science and history.

CLASSICS. *As Required Studies*, [Matriculation Greek or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Modern, or Ancient History, or Post-major Greek or Latin, or Minor Philosophy, or Minor Mathematics. *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Modern, or Ancient History, or Minor English or Minor Philosophy. *As a Group*, French and Italian, or French and Spanish, or French and Italian and Spanish, or Italian and Spanish, or French and German. *As Free Electives*, Italian and Spanish, or French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and French, or English and Italian and Spanish, or English and Spanish, or English and German, or English and Philosophy. *As Free Electives*, Latin or Greek or History or Philosophy, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Physics, Post-major Mathematics or Modern or Ancient History, or Minor Latin. *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, any Science, any Language, or Post-major History, or Economics and Politics, or Minor Philosophy, or Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), Minor Latin, or Post-major Greek, or Modern, or Ancient History,

or Minor Mathematics. *As a Group*, Greek and Philosophy. *As Free Electives*, Minor English and Minor Psychology ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), any Language, or Modern, or Ancient History, or Minor Economics and Politics. *As a Group*, English and Philosophy. *As Free Electives*, Psychology and English, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), Minor Spanish or Italian, or Minor Economics and Politics, or Minor Philosophy, or Elective Education. *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Post-major Modern History.

PHILOSOPHY or PSYCHOLOGY (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History). *As a Group*, Philosophy or Psychology with Economics and Politics, or with Mathematics, or with Physics. *As Free Electives*, Post-major Economics and Politics, or Mathematics, or Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies*, [Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Biology, or Geology), any Modern Language or Ancient History, or Minor Philosophy, or Mathematics. *As a Group*, Greek and Classical Archæology. *As Free Electives*, Elective or Post-major Greek, or Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, or Minor Philosophy, or Minor Mathematics. *As a Group*, Physics and Chemistry, or Physics and Geology, or Physics and Biology, or Chemistry and Geology, or Chemistry and Biology, or Geology and Biology. *As Free Electives*, Mathematics and Physics, or Chemistry, or Geology, or Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, or Minor Latin (if not taken as a required study), ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Minor and Major Biology.

As a Group, Economics and Politics and Philosophy, or Psychology. *As Free Electives*, Elective Social Economy, or Education, or Philosophy, or Psychology.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, or economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any language with any language, or Chemistry and Biology. *As Free Electives*, Major History, five hours a week for one year, and Post-major History, or Oriental History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Major History, Major Economics and Politics, and for Oriental History, Post-major Economics and Politics, or Elective Social Economy.

III. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Physics and Chemistry, or Geology, or Biology. *As a Group*, any language with any language. *As Free Electives*, Major and Post-major Physics, or Chemistry, or Geology, or Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Oriental History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work. Regular attendance at classes is required.

The studies leading to the degree of Bachelor of Arts may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect

English as a major study, for example, should take the general English literature lectures and composition in their first and second years in the college because they are required to complete this work before entering the major course in English. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and Matriculation Greek, French, or

German, or Minor Latin may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of French, Italian, or Spanish, or German by attendance on advanced school or college classes, or by residence abroad, or by study under instructors or governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

*Studies
Leading
to a
Second
Degree.*

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Master of Arts or for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for these degrees.

The Degree of Master of Arts.

*The Degree
of
Master of
Arts.*

The degree of Master of Arts may be conferred upon graduates of Bryn Mawr College and upon graduates of other colleges who shall have satisfied the Graduate Committee that their course of study has been equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

REGULATIONS.

Course of Study.—Each candidate must attend at Bryn Mawr College three seminaries, or two seminaries and one post-major (third or fourth year undergraduate) course. A seminary requires one-third of the student's time for one year; hence to fulfil this requirement the student must devote her entire time for one year to graduate study. Unless, therefore,

she has completed all the other requirements before beginning the work for the M.A. degree she will not be able to complete the work in one year.

Admission to Seminaries.—Preliminary training equivalent to the Bryn Mawr College undergraduate major course* in the subject of the seminary, or in related subjects of equal value in preparation is required for admission to a seminary (or undergraduate course equivalent to a seminary) to be counted for the M.A. degree.

Examinations.—The candidate is required to pass with a creditable grade examinations on the seminaries or courses offered, such examinations being held in the first week of the May examination period.

PRELIMINARY REQUIREMENTS.

(a) *Reading Knowledge of French and German.*

All candidates must prove their ability to use these languages in graduate seminaries by passing a written examination in these languages. The only exception is that a graduate of Bryn Mawr College who becomes a candidate for the M.A. degree within two years after graduation and has taken the yearly examination in French or German is excused from examination in this language.

Dates of Examinations in French and German.—Examinations will be held each year on or about October 15th and again before Thanksgiving. Both examinations must in general be passed before Thanksgiving of the year in which the candidate takes her degree, but the Graduate Committee may, at its discretion, decide to give a candidate who fails at Thanksgiving in either language another trial at some time during the first semester.

If the candidate devotes two years to work for the degree she may take one or both examinations in the first† year.

(b) *Knowledge of English.*

1. *Ability to Write Correct English.*—The candidate must satisfy the Department of English Composition that she is able to write correct English, and in case of failure to do so will be requested by the Graduate Committee to make up deficiencies in this respect by entering a graduate course in English composition. She must also be able to give a report or carry on discussion in satisfactory English.

2. *English Literature, or Literature of Other Languages.*—A candidate is required to present credits in her undergraduate college course for ten semester hours in literature, at least five of which must be English Literature, and in case of failure to do so will be requested by the Graduate Committee to make up deficiencies.

* See page 190. This amounts to 20 semester hours, but in English to 40 semester hours, of undergraduate college training. Compare, however, paragraph (b) below for the equivalents for the first 20 hours of English.

† Since the student's entire time should be given to the work of her seminaries, candidates are advised, whenever possible, to prepare for these language examinations before entering the College and to pass them off in the October examination.

(c) Knowledge of Latin.

All candidates are required to have a knowledge of Latin prose of the standard of Cæsar and Cicero. Candidates who have no credit for Latin on entrance to college are required to pass an examination in Latin Prose Authors of the standard of Cæsar and Cicero, and some questions on grammar may be included. Candidates who have certificates covering part of this ground will be examined on the part in which they are deficient.

Time of this examination: End of first semester. The Graduate Committee may at its discretion grant a second examination early in the second semester to a student who has failed.

(d) Knowledge of Philosophy, Psychology, Laboratory Sciences, or Mathematics.

A candidate is required to present credits obtained in her undergraduate college course for twenty semester hours of work in two or more of the subjects, Philosophy, Psychology, Laboratory Science (*i. e.*, Physics, Chemistry, Geology or Biology) or Mathematics, not more than ten of these semester hours to be in any one of these subjects and the twenty hours may not be entirely in Philosophy and Psychology. If, however, the candidate has no entrance credit in a Science which has included laboratory work she will be requested by the Graduate Committee to make up her deficiency by taking in Bryn Mawr College at least six semester hours of Science accompanied by laboratory work which may be counted in the above twenty hours.

Graduate Students who desire to become candidates for the M.A. degree are advised to provide themselves with their complete academic record, including their entrance credits, and to make application for the degree as soon as possible after entering the College, in order that the Graduate Committee may estimate their work and advise them how to make up deficiencies.

In case of a student coming from a college or university outside of the United States when it is impossible to work out exact equivalents in subjects, the Graduate Committee will judge each case on its merits.

The Degree of Doctor of Philosophy and Master of Arts.

*The Degree
of
Doctor of
Philosophy
and
Master of
Arts.*

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time*.—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence*.—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;* in the independent minor she shall take for one year two† seminars, or graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two semi-

* The Graduate Committee may count as the equivalent of a seminar an amount of work that requires about fourteen hours per week of the student's time.

† If the major is taken in Science one seminar may be omitted in the independent minor under certain conditions

naries and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation.*—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Fees for Residence and Tuition.

Tuition for Under- graduate Students.

For undergraduate students and hearers the charge for tuition is three hundred dollars a year, payable in advance.† The average cost of teaching each undergraduate student in 1920–21 is estimated at \$621.90. The tuition fee has been fixed at three hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional three hundred and twenty-one dollars will be credited as a gift towards scholarships for students unable to meet even the three hundred dollars tuition fee. No reduction of the charge of three hun-

* Using the application blank issued by the Graduate Committee.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one-half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

dred dollars can be made on account of absence, illness, dismissal during the currency of a semester, term, or year, or for any other reason whatever and no refunding will be made on account of any of the said causes in case of a payment in advance.

Every student who enters the college must register immediately at the comptrollers's office, and must register her courses in the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students taking one laboratory course of four or more hours a week there is an additional charge of fifteen dollars a semester for materials and apparatus; for students taking two laboratory courses of four or more hours a week a charge of twenty-five dollars a semester; and for students taking three laboratory courses of four or more hours a week a charge of thirty dollars a semester. A charge of seven dollars and fifty cents a semester is made for students taking a laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighbourhood. The expense of board and residence in the college halls for undergraduate students is four hundred dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is four hundred and fifty or five hundred and seventy-five dollars. Of this charge four hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Physical Training, and the Physicians of the College. See pages 149 to 151 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or

* Rugs and towels must be furnished by the students themselves.

the student body as a whole, is in the hands of the Students Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary and Registrar of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. If there is any doubt about the date of entry it is suggested that application for two consecutive years may be made by deposit of a double fee, thus ensuring a better choice of rooms in the second year, if entrance in the year first planned proves impossible. The demand for rooms is very great and since reserving a room unnecessarily may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded only in the following cases. In all other cases the deposit will be forfeited to the college. Cheques should be made payable to Bryn Mawr College.

a. If an applicant who is a student of the college gives formal notice to the Secretary and Registrar of the College before the first of May pre-

ceding the academic year for which the application is made that she wishes to withdraw her application.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary and Registrar of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary and Registrar of the College before the first of December preceding the semester for which the application is made that she wishes to withdraw her application.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room for the second semester will be responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary and Registrar before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal after September first of any given year for any cause whatsoever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

In case of prolonged illness and absence from the college extending over six weeks or withdrawal from the college for a period of six weeks or more, there will be a special proportionate reduction in the charge for board, provided that written notice be given to the Dean of the College and to the Comptroller at the time of withdrawal, or, in case the student is ill at home, as soon as possible after her illness is known. Verbal notice to

* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

wardens or instructors is not sufficient to secure the above allowance.

Rooms are assigned to members of the entering class who have already received their Matriculation Certificate and their Certificate of Admission to the College during the summer preceding the academic year for which application is made. Candidates who do not complete their examinations until the autumn and are admitted to the college will be assigned rooms then if any rooms are vacant. No particular room or set of rooms may be applied for. Candidates who are admitted are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered.

Students are expected to provide their own rugs, curtains and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The student's personal washing may be done by any laundry recommended by the college for one dollar a dozen, or about \$16 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

Students who wish to remain at the college during the Christmas and Easter vacations should apply to the Secretary and Registrar for information in regard to rooms and rates. During the Christmas vacation the halls of residence are closed but accommodation is provided on or near the college campus. During the Easter vacation the halls of residence are in general kept open and undergraduate and graduate students may occupy their own rooms at a fixed rate.

Students remaining during any part of the Christmas or Easter vacations in Bryn Mawr, or the immediate neighbourhood, not in their own homes, are required to take advantage of the arrangements made by the College and will be charged for the period of the vacation. Students not going to their own homes are required to inform the Secretary and Registrar in advance of their intention to spend the vacation elsewhere and to register their addresses in the college office.

**Summary
of
Expenses
for
Under-
graduate
Students.**

For undergraduate students the fees for the year 1921-22 are as follows:

Tuition for the academic year, payable October 1st.....	\$300.00
Room-rent for the academic year, payable October 1st.....	50.00*
or \$175, \$250, \$275, \$300, \$370, \$420, \$450, \$500, \$550, depending on the room or rooms occupied.	

* In about one-sixth of the college rooms the rent is \$50.00, making the cost of board, residence, and tuition for undergraduate students \$750, but students desiring to apply for rooms at \$50.00 must file a statement at the office of the Secretary and Registrar that they are unable to afford rooms at a higher price.

Infirmary fee for the academic year, payable October 1st.	\$20.00
Board for the academic year, payable in equal instalments, October 1st and February 1st.	400.00
Total for tuition, residence, and infirmary fee for the academic year with minimum room-rent.	\$770.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year.	15.00
For laboratory course of four or more hours a week for the academic year.	30.00
Graduation fee.	20.00

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Professor Lucy Martin Donnelly, Bryn Mawr College; Miss Anne Hampton Todd, 2175 Spruce Street, Philadelphia; Miss Doris Earle, Chestnut Hill, Philadelphia; Miss Emma Thompson, 506 South 48th Street, Philadelphia; Miss Katharine Leonard Howell, 3307 Hamilton Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to Professor Donnelly, the chairman of the Scholarships and Loan Fund Committee of the Alumnae Association, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

Loan Fund.

SCHOLARSHIPS AWARDED AT ENTRANCE TO BE HELD BY FRESHMEN.

Four competitive entrance scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:— (a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Scholarships.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

One scholarship entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgement of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

The Pittsburgh Bryn Mawr Club founded in 1917 a competitive entrance scholarship of the value of \$200 increased to \$500 in 1921. The applicant for this scholarship in 1921 must have received her last two years of preparation for college in Allegheny County, Pennsylvania, and the scholarship will be awarded to the candidate satisfying this requirement who must be unable to meet the full expenses of residence and tuition at Bryn Mawr College. In and after 1922 applicants who have received their preparation in western Pennsylvania will be eligible for the scholarship. Application for this scholarship must be addressed to the Bryn Mawr Club of Pittsburgh and to the Secretary and Registrar of Bryn Mawr College before May 1st of the year in which the applicant desires to enter the college.

The New England Alumnae of Bryn Mawr College will offer annually in and after 1922 an entrance scholarship of the value of \$500 to an applicant who has received her preparation in a New England School and is unable to meet the full expenses of residence and tuition at Bryn Mawr College. The scholarship will be given to the applicant judged to be of the highest promise and will be awarded by the Faculty in consultation with the New England Scholarship Committee after the June examination period.

Two Elizabeth S. Shippen Scholarships of the value of \$500 are available in the year 1921 for freshmen in need of financial aid.*

SCHOLARSHIPS AWARDED AT ENTRANCE RENEWABLE FOR FOUR YEARS.

Eight scholarships, two awarded each year, for non-resident students prepared in the Philadelphia Girl's High School, entitling the holder to free tuition, renewable for four consecutive years, were founded by the Trustees of Bryn Mawr College in 1893 and are given on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr Col-

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is desired.

lege; 3. The Scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

Eight scholarships, two available each year, of the value of \$100 for students prepared in the Philadelphia Girls' High School are given by the Board of Public Education of the City of Philadelphia. The scholarships are renewable for four consecutive years and are awarded on the same basis as the Trustees' Philadelphia Girls' High School Scholarships.

One competitive entrance scholarship* of the value of \$200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

Four Frances Marion Simpson Scholarships,* entitling the holder to free tuition, were founded in 1912 by Justice Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship to be awarded in each October, to a candidate who receives her final certificate in the preceding spring matriculation examination. Competition for these scholarships is open in the first place to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania, so long as she shall be conducting the same; or in default thereof to residents of other counties in Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition or if living at a distance, the fees for tuition and board, in Bryn Mawr College are entitled to compete. In special cases the scholarship may be awarded to a candidate from some other locality, in which case the restriction to preparation in public schools may also be relaxed, or it may be awarded to some one who can pay part of the charge for her tuition, or for her tuition and board, but not the whole thereof.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College. These scholarships are renewable for four consecutive years.

SCHOLARSHIPS AVAILABLE FOR MEMBERS OF THE SOPHOMORE CLASS IN NEED OF FINANCIAL AID.

The James E. Rhoads Memorial Sophomore Scholarship* of the value of \$250 for one year, was founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The scholarship is open to those students only who have completed college work amounting to not less than twenty and not more than forty-five hours (three semesters' work) for a semester, and have been

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is desired.

in attendance upon lectures at Bryn Mawr College not less than one semester. To be eligible for this scholarship a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case the scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, the Dean of the College, the Secretary and Registrar of the College, and four members of the Faculty of the College, appointed annually by the President, the President of the Alumnae Association of Bryn Mawr College and the members of the Scholarships and Loan Fund Committee of the Alumnae Association.

Two Maria Hopper Scholarships* of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester.

SCHOLARSHIPS AVAILABLE FOR MEMBERS OF THE JUNIOR CLASS IN NEED OF FINANCIAL AID.

The James E. Rhoads Memorial Junior Scholarship,* of the value of \$250 for one year was founded in 1897 by the Alumnae Association of Bryn Mawr College in memory of the first President of the College, Dr. James E. Rhoads. The scholarship is open to those students only who have completed college work amounting to not less than forty and not more than seventy-five hours (five semesters' work) for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for this scholarship a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case the scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee is the same as for the James E. Rhoads Memorial Sophomore Scholarship.

The Mary E. Stevens Scholarship* of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters.

The Anna Hallowell Memorial Scholarship* of the value of \$100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

SCHOLARSHIP AVAILABLE FOR MEMBERS OF THE SENIOR CLASS IN NEED OF FINANCIAL AID.

The Anna M. Powers Memorial Scholarship* of the value of \$200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

*Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is desired.

SCHOLARSHIPS AVAILABLE FOR STUDENTS IN ANY CLASS IN NEED OF FINANCIAL AID.

A special Thomas H. Powers Memorial Scholarship* of the value of \$300 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Mary Anna Longstreth Memorial Scholarship* of the value of \$300 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae, and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a student who needs financial aid to begin or continue her college course.

The Chicago Bryn Mawr Club has presented annually since 1914 the sum of \$100 to be used as a scholarship for a student in financial need, the sum being increased in 1921 to \$200.*

The Anna Powers Memorial Scholarship consisting of the income of a gift of \$1000 was founded in 1919 by Mrs. Charles Merrill Hough in memory of her sister Anna Powers, a member of the Class of 1890. The award of the scholarship is to be made by the Faculty of Bryn Mawr College.*

The Constance Lewis Memorial Scholarship, of the value of \$100 annually, was founded in 1919 by the Class of 1904 in memory of their classmate Constance Lewis. The award of the scholarship is to be made by the Faculty of Bryn Mawr College.*

SCHOLARSHIPS AWARDED FOR DISTINCTION IN ACADEMIC WORK.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Charles S. Hinchman Memorial Scholarship of the value of \$500 was founded in 1917 in memory of the late Charles S. Hinchman of Philadelphia by his family. The holder will be nominated to the Faculty by the Undergraduate Scholarships Committee of the Faculty which will be guided in its selection by (1) the student's record in her group subjects, (2) written recommendations from the instructors in these subjects, (3) evidence of the student's ability as shown by written work in her group subject together with a written estimate of the same by the instructor most directly concerned, such work to be submitted not later than March 15th of the year preceding the one in which the scholarship is to be awarded.

The Elizabeth S. Shippen Scholarships were founded in 1917 by the bequest of the late Elizabeth S. Shippen of Philadelphia. Three scholarships will be awarded each year, one to a member of the senior class and two to members of the junior class, as follows:

The Shippen Foreign Scholarship of the value of \$200 will be awarded each year to the member of the senior class who is elected to the Bryn Mawr European Fellowship.

The Shippen Scholarship in Science of the value of \$100 will be awarded annually to a member of the junior class, one or both of whose major subjects lie in the Scientific Departments, viz., Physics, Chemistry, Geology, Biology, for excellence of work in one of these departments.

The Shippen Scholarship in Foreign Languages of the value of \$100 will be awarded annually to a member of the junior class, one or both of whose major subjects lie in the Departments of Foreign Languages, viz., Greek, Latin, German, French, Italian, Spanish, for excellence of work in one of these departments.

* See footnote page 210.

No student shall be considered eligible for the Science or Foreign Language Scholarship who has not completed at least fifteen hours of work in the subject on which the computation is based. The winner of the Charles S. Hinchman Memorial Scholarship will not be eligible for the Shippen Scholarship in Science or in Foreign Languages.

The Sheelah Kilroy Memorial Scholarships in English of the value of \$125 each were founded in 1919 by Dr. and Mrs. Philip Kilroy in memory of their daughter Sheelah. These scholarships will be awarded annually on the recommendation of the Department of English, one to the student who does the best work in the required English courses, and one to the student who does the best work in the advanced English courses.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

PRIZES AWARDED FOR DISTINCTION IN ACADEMIC WORK.

The George W. Childs Essay Prize, a gold watch, given since 1892 first by Mr. George W. Childs and after his death by his widow, is awarded each year on the nomination of the English Department to the best English essayist in the graduating class.

The Horace White Prize in Greek Literature, a prize of \$50 founded by Miss Amelia Elizabeth White in 1919 is awarded to the best student in the Major class in Greek Literature, the nomination to be made by the Professor conducting the class.

PRIZES FOR GENERAL INFORMATION.—Three presidents' prizes of the value of \$75, \$50 and \$25 are awarded to the three students who stand highest in an examination on general information set by a committee of the faculty.

PRIZES FOR KNOWLEDGE OF GREAT POETS AND PROSE WRITERS.—Three president's prizes of the value of \$75, \$50 and \$25 are awarded to the three students who stand highest in an examination on general literature set by a committee of the faculty.

FORM OF BEQUEST.

I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

Dated.....

FOUNDATION OF SCHOLARSHIPS.

The sum of seven thousand five hundred dollars given or left by will to the Trustees of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

*Tuition
for
Graduate
Students.*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is two hundred dollars a year, payable half-yearly in advance. For other graduate students* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, eighteen dollars a semester; for two hours a week of lectures, thirty-six dollars a semester; for three hours a week of lectures, forty-eight dollars a semester; and for four or five hours a week of lectures sixty-five dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of

* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated below are charged in addition to the charge for tuition.

one dollar will be made for each change made in the course after it has been definitely registered.

**Laboratory
Fees.**

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of twenty-one dollars and fifty cents a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to fifteen dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to seven dollars and a half a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of fifteen dollars a semester for every laboratory course of four or more hours a week, and of seven dollars and fifty cents a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work counts as one hour of laboratory work.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of ten dollars a semester and are also required to provide themselves with two 50-trip tickets between Bryn Mawr and Philadelphia costing \$18.36. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

The fee for laboratory courses in Applied Psychology and Educational Psychology is \$6 a semester.

**Residence
for
Graduate
Students.**

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is five hundred dollars. Of this amount four hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance.* Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.†

Each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence is required to sign a room contract and to return it with a deposit of fifteen dollars to the Secretary and Registrar of the College. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary and Registrar of the College before the fifteenth of July preceding the academic year for which the appli-

* For a statement of the conditions under which the fee for board may be reduced in case of prolonged illness and absence from the college, see page 205.

† Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

cation is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College.

Students making application for a room for the second semester forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room for the second semester is responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary and Registrar before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$15.50 a week. At Christmas the college halls are closed, but accommodation is provided on or near the college campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighbourhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Secretary and Registrar of the College in advance of their intention to spend the vacation elsewhere, and register their addresses in the college office.

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$18.00
For two hours a week of lectures.....	36.00
For three hours a week of lectures.....	48.00
For four or five hours a week of lectures.....	65.00
For six or more hours a week of lectures.....	100.00
Room-rent for the academic year, payable on registration.....	100.00
Board for the semester payable on registration.....	200.00

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	200.00
Room-rent.....	100.00
Board.....	400.00
Infirmary fee.....	10.00
Total for tuition, residence, and infirmary care for the academic year	\$710.00
Laboratory fees for the academic year.....	\$12.00 to \$43.00

*Summary
of
Expenses
for
Graduate
Students.*

* See footnote, page 213.

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

*European
Travelling
Fellow-
ships.*

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary Elizabeth Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

These fellowships are awarded to assist candidates for the Doctor's degree at Bryn Mawr College to complete their preparation. It is therefore understood that holders of the President M. Carey Thomas and Mary Elizabeth Garrett Fellowships will not present themselves as candidates for the degree of Doctor of Philosophy elsewhere than at Bryn Mawr College.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City

in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who shows such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

A Travelling Fellowship of the value of \$1,500 was founded in 1920 by an anonymous donor to be awarded in each year by the Faculty of Bryn Mawr College with the approval of the donor. The fellowship may be awarded to any woman who has at any time studied in the graduate school of Bryn Mawr College long enough to have shown her ability irrespective of whether her work was planned to lead to a degree or not. The fellowship may be held at any centre of education that may be selected by the student and approved by the Faculty as best suited to her individual needs, or may, in special cases, be used as a travelling fellowship to give opportunity for the study of conditions in which the student may be interested in different parts of the world. The fellowship shall not necessarily be offered as an aid to study for a higher degree, but may be used by the holder, with the approval of the faculty, in whatever way may best advance the purpose she has in mind. The fellowship shall be awarded to the best student but if she can afford to carry out her plans with her own income she shall return the amount of the fellowship to the College to be used by another student in the same year.

The Helen Schaeffer Huff Memorial Research Fellowship founded in 1913, is awarded annually to a student desiring to carry on research in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College. The value of the Fellowship in 1921-22 will be twelve hundred dollars.

*Resident
Fellow-
ships.*

Applicants for this fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities and have shown capacity for research. The award of the fellowship will depend primarily upon the record of the applicant as a research student. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student studying at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of investigation.

Twenty resident fellowships, of the value of \$810 each, are awarded annually in Greek, Latin, English, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Education, Archæology, History of Art, Mathematics, Physics, Chemistry, Geology and Biology, in Economics and Politics named the Justus C. Strawbridge Fellowship, two in Social Economy and Social Research named the Carola Woerishoffer Memorial Fellowships, and one Grace H. Dodge Memorial Fellowship in Social Economy in preparation for Industrial Relations and Personnel Administration. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

*Duties of
Resident
Fellows.*

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of seven hundred and ten dollars for tuition, board, room-rent, and infirmary fee.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

A resident Intercollegiate Community Service Association and Bryn Mawr College joint fellowship* was established in 1915 and is offered by the Intercollegiate Community Service Association and by some alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$650, \$200 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy. There is a charge of \$7.00 a week for board and lodging in the Settlement and in addition to the usual charge of \$200 for the graduate tuition fee in Bryn Mawr College, the usual laboratory and transportation fees. Applications may be sent to the President of Bryn Mawr College.

Two additional joint fellowships of the value of \$450 are offered by the Intercollegiate Community Service Association in conjunction with Smith College and Wellesley College,

* The term fellowship is used here because adopted by the Intercollegiate Community Service Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

to graduates of Smith College and Wellesley College, respectively, who wish to prepare themselves for community service. By special arrangement with the Committee on Scholarships these scholarships may be held in connection with the College Settlement of Philadelphia and Bryn Mawr College. Smith and Wellesley alumnae are referred for further information to Dr. Jane Newell, Wellesley College, Wellesley, Mass.

Two graduate scholarships entitling the holders to free residence and a nominal rate for board in the Settlement are offered by the College Settlement of Philadelphia to candidates who wish to study in the Carola Woerishoffer Department on condition that they will give at least six hours a week to work in the Settlement.

***Resident
Graduate
Scholar-
ships.***

Twenty Graduate Scholarships, of the value of three hundred and fifty dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other collegee of good standing. Scholars may undertake, while holding a scholarship, only a very limited amount of teaching or other paid work approved in advance by the President's office.

The Susan B. Anthony Memorial Research Scholarship in Social Economy and Social Research or in Politics, of the value of five hundred and fifty dollars, was founded in 1910 by the Executors of the late Susan B. Anthony, the late Dr. Anna Howard Shaw and Miss Lucy E. Anthony, in memory of Susan B. Anthony's work for women's college education. It is awarded to the candidate wishing to devote herself to studies dealing with the position of women in industry and politics whose work shows most promise of future success. The holder is required to complete for publication a study in one or the other of these subjects.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of three hundred dollars is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is

open to graduates of Bryn Mawr College or of any other college of good standing.

Seven Grace H. Dodge Memorial Scholarships in Social Economy in preparation for Industrial Relations and Personnel Management, on the Grace H. Dodge Foundation of the value of four hundred dollars each, are offered in the Carola Woerishoffer Department of Social Economy, open for competition to graduates of Bryn Mawr College or of any other college of good standing.

Two Scholarships in Community Organization, each of the value of four hundred dollars, are offered in the Department of Social Economy and Social Research. Holders of these scholarships are expected to carry on their field work in the Bryn Mawr Community Center.

Several Graduate Scholarships in Social Economy in preparation for Red Cross Service, of the value of five hundred dollars with loan privileges for an additional two hundred and fifty dollars, have been offered by the American Red Cross for the year 1921-22 and are open for competition to graduates of Bryn Mawr College or of any other college of good standing. Holders of these scholarships are expected to accept a position under the American Red Cross for at least one year after the completion of training.

Nine graduate scholarships for foreign women of the value of seven hundred and twenty dollars each are available for distribution to women students belonging to the following countries: England, France, Spain, Italy, Switzerland, Holland, Norway and Sweden. In general at least three will be awarded to British and three to French women and one or two to Spanish women. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. Renewal of these scholarships for a second year will not be granted except in very exceptional cases.

Holders of the scholarships are required to be in continuous residence at the college and to follow regular approved courses of study. The scholarships are of the value of \$720 and cover only the fees for board, residence, and tuition at Bryn Mawr

Scholarships for British, French, Italian, Spanish, Swiss, Scandinavian and Dutch Women.

College for one academic year. In addition those holders of scholarships who so desire will, if possible, be given an opportunity to teach or do some other kind of work in the College for not more than five hours a week and in special cases when tutoring can be arranged for five hours a week throughout the year the sum earned may amount to from \$100 to \$200. The scholars are not permitted to accept any paid position except as arranged by the College. Holders of the scholarships must meet their own travelling expenses. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

*Duties of
Resident
Scholars.*

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

*Applications
for Resident
Fellowships
and
Scholarships.*

Application for resident fellowships or scholarships should be made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the first† of April preceding the academic year for which the fellowship or scholarship is desired. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

* For the rates see page 215.

† Applications for the Scholarships open to British, French, Spanish, Italian, Swiss, Dutch, and Scandinavian women must be received by May the first, they should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed to the Recording Dean of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., or in the case of French scholars they may be addressed to M. Petit Dutailis, Office National des Ecoles et Universités Françaises, 96 Boulevard Raspail, Paris.

Hour	Course	Monday	Tuesday
9	ELEMENTARY	Greek (Kirk) German (Sarauw)	Greek (Kirk) German (Sarauw)
	GENERAL	Psychology (Taylor)	Psychology (Taylor)
	MINOR	Greek, Plato (Sanders) French Literature Div. A (Pardé) Economics, Introduction to Economics, Div. B (Franklin) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)	Greek, Homer (W. C. Wright) French Reading and Composition, Div. A (Pardé) Economics, Introduction to Economics, Div. B (Franklin) Mathematics, Trigonometry (Scott) Chemistry (Brunel) Geology (Bascom)
	MAJOR	Italian (Riddell) Renaissance Sculpture (G. G. King)	Italian (Riddell) Great Painting (Rowley)
	ELECTIVE	History of the Near East (Barton) Ancient Civilization (David) Educational Psychology (Arlitt) Biology, Theoretical (Tennent)	History of the Far East (Barton) History of the U. S. from 1865 (W. R. Smith) Education (—)
	GRADUATE	Industrial Supervision Field Work (Boone) 8-5 Social Economy Practicum, Divs. I, II (Deardorff, Addition) Alt. Weeks 9-5 Physics (Barnes)	Seminary in Social and Industrial Research, Field Work (Deardorff), 9-5 Mental Tests, Field Work (Rand), 9-5
10	GENERAL	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
	MINOR	English, 19th Century Critics (Draper) German Grammar (Prokosch) Spanish (De Haan) History of Europe, Div. A (David) Ancient Architecture (Carpenter) Biology (Tennent)	English, 19th Century Critics (Draper) German Literature (Prokosch) Spanish (De Haan) History of Europe, Div. A (David) Hellenistic Towns (Carpenter) Biology (Tennent)
	MAJOR	Middle English Romances (Brown) Philosophy, Kant to Spencer (—)	Middle English Romances (Brown) Philosophy, Kant to Spencer (—)
	ELECTIVE	Elements of Law (Fenwick)	Modern French Literature (Schenck) Biblical literature (Barton) Natural Resources (Bissell)
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
	GRADUATE	Petrography (Bascom)	
11	GENERAL	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
	ELEMENTARY	French (Trotain) Italian (Sarauw)	French (Trotain) Italian (Sarauw)
	MINOR	French, Div. B (Schenck) Economics, Introduction to Economics, Div. A (M. P. Smith) Philosophy, Ethics (—) Greek Sculpture (Carpenter)	French, Div. B (Schenck) Economics, Introduction to Economics, Div. A (M. P. Smith) Philosophy, Ethics (—) Ancient Painting (Swindler)
	MAJOR	Latin, Tacitus (—) Spanish Reading (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Taylor) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Ballou) Spanish Literature (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Taylor) Physics (Barnes) Chemistry (Crenshaw)
	ELECTIVE		Greek Religion and Myths (W. C. Wright)
	POST-MAJOR		Applied Sociology (Deardorff)
12	GRADUATE	Systematic Psychology (Ferree)	
	ELEMENTARY	Spanish (Sarauw)	Spanish (Sarauw)
	MINOR	Latin, Cicero, Div. A (Ballou) Div. B (Swindler) Div. C (—) Italian (Riddell) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)	Latin, Horace, Div. A (Swindler) Div. B (—) Div. C (Ballou) Italian (Riddell) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Art of the Far East (Rowley) Physics (Huff)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Draper) French Literature (Trotain) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader)	Greek Literature (W. C. Wright) English Drama (Draper) French Reading and Composition (Gill) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

FIRST SEMESTER, 1921-22.

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (Sarsauw)	Greek (Kirk) German (Sarsauw)	Greek (Kirk) German (Sarsauw)
Psychology (Taylor)	Psychology (Taylor)	Psychology (Taylor)
Greek, Plato (Sanders) French Literature, Div. A (Pardé)	Greek, Homer (W. C. Wright) French Reading and Composition Div. A (Pardé)	Greek, Sophocles (Sanders) French Literature, Div. A (Pardé)
Economics, Introduction to Economics, Div. B (Franklin)	Economics, Introduction to Economics, Div. B (Franklin)	Economics, Introduction to Economics, Div. B (Franklin)
Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)	Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel) Geology, Demonstration (Bascom)	Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)
Italian (Riddell) Renaissance Sculpture (G. G. King)	Italian (Riddell) Great Painting (Rowley)	Italian (Riddell) Renaissance Sculpture (G. G. King)
History of the Near East (Barton) Ancient Civilization (David) Educational Psychology (Arlitt)	History of the Far East (Barton) History of the U. S. from 1865 (W. R. Smith) Education (—)	History of the Near East (Barton) Ancient Civilization (David) Educational Psychology (Arlitt) Physical Basis of Music (Huff)
Social Economy Practicum, Div. III (Boone) Alt. Weeks 9-11 Industrial Relations Observations (Boone), Alt. Weeks, 9-5 Physics (Barnes)	Seminary in Applied Psychology (Rand) 9-11 Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent, Yates, Schrader)	Physics (Barnes)
English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
English, 19th Century Critics (Draper) German Reading (Prokosch) Spanish (De Haan) History of Europe, Div. A (David) Ancient Architecture (Carpenter)	English, 19th Century Critics (Draper) German Literature (Prokosch) Spanish (De Haan) History of Europe, Div. A (David) Hellenistic Towns (Carpenter)	English, 19th Century Critics (Draper) German Reading (Prokosch) Spanish (De Haan) History of Europe, Div. A (David) Ancient Architecture (Carpenter)
Biology (Tennent)	Biology, Demonstration (Tennent)	Biology (Tennent)
Middle English Romances (Brown) Philosophy, Kant to Spencer (—)	Middle English Romances (Brown) Philosophy, Kant to Spencer (—)	Middle English Romances (Brown) Philosophy, Kant to Spencer (—)
Cosmogony (Bascom)	Modern French Literature (Schenck) Biblical Literature (Barton) Natural Resources (Bissell)	
Physics (Huff) Chemistry (Brunel) Seminary in Educational Research (—, Arlitt), 10-12	Physical Chemistry (Crenshaw) Applied Psychology (Rand), 10-12	Physics (Huff) Chemistry (Brunel)
	Petrography (Bascom)	Petrography (Bascom)
English Composition, 1st year (Savage)	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
French (Trotain) Italian (Sarsauw)	French (Trotain) Italian (Sarsauw)	French (Trotain) Italian (Sarsauw)
French, Div. B (Schenck) Economics, Introduction to Div. A (M. P. Smith)	French, Div. B (Schenck) Economics, Introduction to Div. A (M. P. Smith)	French, Div. B (Schenck) Economics, Introduction to Div. A (M. P. Smith)
Philosophy, Ethics (—) Greek Sculpture (Carpenter)	Philosophy, Ethics (—) Ancient Painting (Swindler)	Philosophy, Ethics (—) Greek Sculpture (Carpenter)
Latin, Tacitus (—) Spanish Grammar (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Taylor) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Ballou) Spanish Literature (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Taylor) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)	Latin, Tacitus (—) Spanish Reading (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Taylor) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)
Mathematics (Scott)	Greek Religion and Myths (W. C. Wright)	
	Applied Sociology (Deardorff)	
Systematic Psychology (Ferree)	Seminary in Industrial Supervision (Boone), 11-1	Seminary in Employment (—)
Spanish (Sarsauw)	Spanish (Sarsauw)	Spanish (Sarsauw)
Latin, Cicero, Div. A (Ballou) Div. B (Swindler) Div. C (—)	Latin, Horace, Div. A (Swindler) Div. B (—) Div. C (Ballou)	Latin, Cicero, Div. A (Ballou) Div. B (Swindler) Div. C (—)
Italian (Riddell) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)	Italian (Riddell) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Art of the Far East (Rowley) Physics, Demonstration (Huff)	Italian (Riddell) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)
Greek, Aristophanes (Sanders) English Drama (Draper) French Literature (Trotain) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader)	Greek Literature (W. C. Wright) English Drama (Draper) French Reading and Composition (Gilli) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Schrader)	Greek, Demosthenes (Sanders) English Drama (Draper) French Literature (Trotain) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Schrader)
	Chemistry Journal Club (Brunel and Crenshaw)	Social and Industrial Research Laboratory (Deardorff)

SCHEDULE OF LECTURES,

Hour	Course	MONDAY	TUESDAY
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Technique of the Drama (Savage) Psychology of Childhood (—)	Technique of the Drama (Savage) Psychology of Childhood (—)
	POST-MAJOR	Greek, Æschylus (Sanders)	Greek, Æschylus (Sanders)
	GRADUATE	French, Social Ideals (Pardé) Economics and Politics, American Foreign Trade (M. P. Smith) Spanish Painting (G. G. King) Mathematics (Pell) Cynewulf and Caedmon (Brown), 2.30-4.30 Italian Seminary (Riddell), 2-4	French, Social Ideals (Pardé) Economics and Politics, American Foreign Trade (M. P. Smith) Spanish Painting (G. G. King) Mathematics (Pell) Advanced Romance Philology (Gilli) Seminary in Municipal Government (Franklin) Advanced Social Statistics (Boone) Seminary in Logic and Metaphysics (—) 2-4 Intelligence Tests (Arlitt), 2-4
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Prose (S. A. King)	Elocution, Reading of Prose (S. A. King) Advanced Experimental Psychology (Ferree) Record Keeping (Deardorff)
	POST-MAJOR	Greek, Palatine Anthology (W. C. Wright) Advanced French Composition (Gilli) Italian (Riddell) History, American Constitutional (W. R. Smith) Municipal Government (Franklin) Mathematics (Scott)	Advanced French Composition (Gilli) Italian (Riddell) History, American Constitutional (W. R. Smith) Municipal Government (Franklin) Mathematics (Scott)
	GRADUATE	Germanic Seminary (Prokosch), 3-5 Technical and Advanced Criticism (Savage) Psychology Journal Club (Taylor, Ferree and Rand) Seminary in Modern Painting (G. G. King) 3-5	Greek Seminary, Greek Orators (Sanders), 3-4.30 Technical and Advanced Criticism (Savage) Seminary in English Literature (Draper), 3-4.30 French Literature (Pardé), 3-4.30 Egyptian (Barton) Seminary in Research in Labour Problems (Boone)
4	GRADUATE	Latin Seminary, Roman Epic (Ballou), 4-6 Seminary in Medieval French Literature (Gilli), 4-6 Seminary in Aramaic and Arabic (Barton) History Journal Club (Gray, W. R. Smith, David), 4-6. Alternate Weeks Economics Journal Club (M. P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Social Treatment (Additon), 1-6 Psychology Seminary (—), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and W. C. Wright), 4.30-6. Alternate Weeks Latin Journal Club (— and Ballou and Swindler) 4.30-6. Alternate Weeks Middle English Seminary (Brown), 4.30-6 Old French Philology (Gilli), 4.30-6 Semitic Seminary (Barton) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Social Psychology (Taylor), 4-6 Mathematical Journal Club (Scott and Pell). Alternate Weeks Seminary in Physiology (Yates), 4.30-6
5	GRADUATE	Introduction to Germanic Philology (Prokosch). Spanish Seminary (—)	Comparative Semitic Grammar (Barton)

FIRST SEMESTER, 1921-22 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Psychology of Childhood (—)</p> <p>Greek, 4th Century Critics (Sanders)</p> <p>Latin, Composition (Ballou)</p> <p>French, Masterpieces of French Literature (Pardé)</p> <p>Economics and Politics, American Foreign Trade (M. P. Smith)</p> <p>Spanish Painting (G. G. King)</p> <p>Mathematics (Pell)</p> <p>Biology, Embryology (Tennent)</p> <p>Advanced Old French Philology (Gilli)</p> <p>Archæology Seminary (Carpenter), 2-4</p> <p>Family as a Social Institution (Deardorff), 2-4</p> <p>Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks</p>	<p>Physics, Major (Barnes)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Minor (Bascom)</p> <p>Biology, Major (Schrader)</p> <p>Criticism (Crandall)</p> <p>History of Education (Arlitt)</p> <p>French Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Seminary in European History (Gray)</p> <p>Seminary in Ægean Archæology (Swindler), 2-4</p>	<p>Physics, Major (Barnes)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Minor (Bascom)</p> <p>Biology, Major (Schrader)</p> <p>History of Education (Arlitt)</p> <p>French Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Greek Seminary, Homeric Question (W. C. Wright), 2-4</p> <p>Romance Philology (Gilli)</p> <p>Seminary in Labour Organization (Boone), 2-4</p>
<p>Argumentation (Crandall)</p> <p>Greek, Palatine Anthology (W. C. Wright)</p> <p>Historical French Grammar (Gilli)</p> <p>England under the Tudors (Gray)</p> <p>Biology, Physiology (Yates)</p> <p>Seminary in Politics (Fenwick)</p> <p>Seminary in Mathematics (Scott), 3.30-5.30</p> <p>Latin Seminary, Latin Comedy (—), 4.30-6</p> <p>Seminary in English Composition (Crandall), 4-6</p> <p>Seminary in Modern French Literature (Schenck), 4-6</p> <p>Spanish Seminary (De Haan), 4-6</p> <p>Seminary in Oriental Archæology (Barton)</p> <p>Seminary in American History (W. R. Smith), 4-6</p> <p>Seminary in Industrial Organization (—), 4-6</p> <p>Seminary in History of Philosophy (—), 4-6</p> <p>Seminary in Zoology (Tennent), 4.30-6</p> <p>Gothic (Prokosch)</p>	<p>Physics, Major (Barnes)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Minor (Bascom)</p> <p>Biology, Major (Schrader)</p> <p>Daily Themes (Crandall)</p> <p>Elements of Statistics (Boone)</p> <p>Roman Satire (—)</p> <p>Spanish (De Haan)</p> <p>England under the Tudors (Gray)</p> <p>Greek Seminary, Greek Orators (Sanders), 3-4.30</p> <p>Seminary in English Literature (Draper), 3-4.30</p> <p>French Literature (Pardé), 3-4.30</p> <p>Anglo-Norman (Gilli)</p> <p>Philosophical Journal Club (—), 3-4.30</p> <p>Seminary in Educational Psychology (—), 3-5</p> <p>Mathematics Seminary (Pell), 3.30-5.30</p> <p>Middle English Seminary (Brown), 4.30-6</p> <p>Seminary in German Literature (Prokosch), 4-6</p> <p>Old French Philology (Gilli), 4.30-6</p> <p>Semite Seminary (Barton)</p> <p>Historical Bibliography (David)</p> <p>Seminary in Municipal Government (Franklin), 4-6</p> <p>Social and Industrial Research (Deardorff), 4-6</p> <p>Education Journal Club (— and Arlitt), 4.30-6</p> <p>Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks</p> <p>Seminary in Physiology (Yates), 4.30-6</p> <p>Ethiopic (Barton)</p>	<p>Physics, Major (Barnes)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Minor (Bascom)</p> <p>Biology, Major (Schrader)</p> <p>Roman Satire (—)</p> <p>Spanish (De Haan)</p> <p>England under the Tudors (Gray)</p> <p>English Journal Club (Brown, Donnelly, Savage, Crandall and Draper), 3-4.30. Alternate Weeks</p> <p>Romance Languages Journal Club (Schenck, Gilli, Pardé, Riddell, De Haan, and —), 3-4.30. Alternate Weeks</p> <p>Archæological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks</p> <p>Latin Seminary, Latin Comedy (—) 4.30-6</p> <p>Seminary in History of French Revolution (David), 4-6</p> <p>Seminary in Economics (M. P. Smith), 4-6</p> <p>Community Organization (White), 4-6. Alternate Weeks.</p> <p>Community Art (—), 4-6. Alternate Weeks</p> <p>Seminary in Education (—), 4-6</p> <p>Seminary in Petrology (Bascom), 4.30-6</p> <p>Gothic (Prokosch)</p>

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
9	ELEMENTARY	Greek (Kirk) German (Sarauw)	Greek (Kirk) German (Sarauw)
	GENERAL	Philosophy (—)	Philosophy (—)
	MINOR	Greek, Euripides (Sanders) French, 19th Century Literature, Div. A (Trotain) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Greek, Homer (W. C. Wright) French Reading and Composition, Div. A (Trotain) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Algebra (Pell) Chemistry Laboratory (Crenshaw) Geology Laboratory (Bissell)
	MAJOR	Italian (Riddell) Renaissance Architecture (Rowley)	Italian (Riddell) Modern Painting (G. G. King)
	ELECTIVE	History of the Near East (Barton) Ancient Civilization (David) Educational Psychology (Arlitt) Biology, Theoretical (Tennent)	History of the Far East (Barton) History of the U. S. from 1865 (W. R. Smith) Education (—)
	GRADUATE	Industrial Supervision Field Work (Boone), 8-5 Social Economy Practicum, Divs. I, II (Deardorff, Additon), Alt. Weeks, 9-5 Physics (Barnes)	Seminary in Social and Industrial Research, Field Work (Deardorff), 9-5 Mental Tests, Field Work (Rand), 9-5
10	GENERAL	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
	MINOR	English Poetry (Donnelly) German Grammar (Prokoseh) Spanish (De Haan) History of Europe from 1789, Div. A (Gray) Ancient Architecture (Carpenter) Biology Laboratory (Schrader)	English Poetry (Donnelly) German Literature (Prokoseh) Spanish (De Haan) History of Europe from 1789, Div. A (Gray) Ancient Rome (Swindler) Biology Laboratory (Schrader)
	MAJOR	Recent Philosophical Tendencies (—)	Recent Philosophical Tendencies (—)
	ELECTIVE	Elements of Law (Fenwick)	Modern French Literature (Schenck) Biblical Literature (Barton) Natural Resources (Bissell)
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
	GRADUATE	Petrography (Bascom)	
	ELEMENTARY	French (Trotain) Italian (Sarauw)	French (Trotain) Italian (Sarauw)
11	GENERAL	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
	MINOR	French, Div. B (Pardé) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (—) Greek Sculpture (Carpenter)	French, Div. B (Pardé) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (—) Archæology, Minor Arts (Carpenter)
	MAJOR	Latin Comedy (—) Spanish Reading (De Haan) History, British Imperialism (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)	Latin Literature (—) Spanish Literature (De Haan) History, British Imperialism (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)
	ELECTIVE		Literary Geography (W. C. Wright)
	POST-MAJOR		Applied Sociology (Deardorff)
	GRADUATE	Systematic Psychology (Ferree)	
	ELEMENTARY	Spanish (Sarauw)	Spanish (Sarauw)
12	MINOR	Latin, Terence, Div. A (—) Div. B (Ballou) Div. C (Swindler) English, Mid. Eng. Poetry and Chaucer (Brown) Italian (Riddell) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Taylor) Italian Renaissance Painting (G. G. King) Physics (Barnes)	Latin, Horace, Div. A (Ballou) Div. B (Swindler) Div. C (—) English, Mid. Eng. Poetry and Chaucer (Brown) Italian (Riddell) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Taylor) Art of the Far East (Rowley) Physics Laboratory (Barnes)
	MAJOR	Greek, Thucydides (Sanders) English Literature, Dryden to Chaucer (Draper) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Yates)	Greek Literature (W. C. Wright) English Literature, Dryden to Chaucer (Draper) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Yates)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

SECOND SEMESTER, 1921-22.

WEDNESDAY	THURSDAY	FRIDAY
<p>Greek (Kirk) German (Saraaw)</p> <p>Philosophy (—)</p> <p>Greek, Euripides (Sanders) French, 19th Century Literature, Div. A (Trotain) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)</p> <p>Italian (Riddell) Renaissance Architecture (Rowley)</p> <p>History of the Near East (Barton) Ancient Civilization (David) Educational Psychology (Arlitt)</p> <p>Social Economy Practicum, Div. III (Boone), Alt. Weeks, 9-11 Industrial Relations Observations (Boone), Alt. Weeks, 9-5 Physics (Barnes)</p>	<p>Greek (Kirk) German (Saraaw)</p> <p>Philosophy (—)</p> <p>Greek, Homer (W. C. Wright) French, Reading and Composition, Div. A (Trotain) Introduction to Government and Politics Div. B (Fenwick) Mathematics, Algebra (Pell) Chemistry, Demonstration (Crenshaw) Geology, Demonstration (Bissell)</p> <p>Italian (Riddell) Modern Painting (G. G. King)</p> <p>History of the Far East (Barton) History of the U. S. from 1865 (W. R. Smith) Education (—)</p> <p>Seminary in Applied Psychology (Rand), 9-11 Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent, Yates and Schrader)</p>	<p>Greek (Kirk) German (Saraaw)</p> <p>Philosophy (—)</p> <p>Greek, Herodotus (Sanders) French, 19th Century Literature, Div. A (Trotain) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)</p> <p>Italian (Riddell) Renaissance Architecture (Rowley)</p> <p>History of the Near East (Barton) Ancient Civilization (David) Educational Psychology (Arlitt) Physical Basis of Music (Huff)</p> <p>Physics (Barnes)</p>
<p>English Composition, 2nd year (Savage)</p> <p>English Poetry (Donnelly) German Reading (Prokosch) Spanish (De Haan) History of Europe from 1789, Div. A (Gray) Ancient Architecture (Carpenter) Biology (Schrader)</p> <p>Recent Philosophical Tendencies (—)</p> <p>Cosmogony (Bascom)</p> <p>Physics (Huff) Chemistry (Brunel) Seminary in Educational Research (— Arlitt), 10-12</p> <p>Petrography (Bascom)</p>	<p>English Composition, 2nd year (Savage)</p> <p>English Poetry (Donnelly) German Literature (Prokosch) Spanish (De Haan) History of Europe from 1789, Div. A (Gray) Ancient Rome (Swindler) Biology (Schrader)</p> <p>Recent Philosophical Tendencies (—)</p> <p>Modern French Literature (Schenck) Fiblical Literature (Barton) Natural Resources (Bissell)</p> <p>Physical Chemistry (Crenshaw)</p>	<p>English Composition, 2nd year (Savage)</p> <p>English Poetry (Donnelly) German Reading (Prokosch) Spanish (De Haan) History of Europe from 1789, Div. A (Gray) Ancient Architecture (Carpenter) Biology (Schrader)</p> <p>Recent Philosophical Tendencies (—)</p> <p>Physics (Huff) Chemistry (Brunel)</p> <p>Petrography (Bascom)</p>
<p>French (Trotain) Italian (Saraaw) English Literature, 1st year (Donnelly)</p> <p>French, Div. B (Fardé) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (—) Greek Sculpture (Carpenter)</p> <p>Latin Comedy (—) Spanish Grammar (De Haan) History, British Imperialism (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)</p> <p>Mathematics (Scott)</p> <p>Systematic Psychology (Ferree)</p>	<p>French (Trotain) Italian (Saraaw) English Literature, 1st year (Donnelly)</p> <p>French, Div. B (Pardé) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (—) Archaeology, Minor Arts (Carpenter)</p> <p>Latin Literature (—) Spanish Literature (De Haan) History, British Imperialism (W. R. Smith) Psychology Applied (Rand) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)</p> <p>Literary Geography (W. C. Wright)</p> <p>Applied Sociology (Deardorff) Seminary in Industrial Supervision (Boone) 11-1</p>	<p>French (Trotain) Italian (Saraaw) English Literature, 1st year (Donnelly)</p> <p>French, Div. B (Fardé) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (—) Greek Sculpture (Carpenter)</p> <p>Latin Comedy (—) Spanish Reading (De Haan) History, British Imperialism (W. R. Smith) Psychology, Applied (Rand) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)</p> <p>Systematic Psychology (Ferree)</p>
<p>Spanish (Saraaw)</p> <p>Latin, Terence, Div. A (—) Div. B (Ballou) Div. C (Swindler)</p> <p>English, Mid. Eng. Poetry and Chaucer (Brown) Italian (Riddell) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Taylor) Italian Renaissance Painting (G. G. King) Physics (Barnes)</p> <p>Greek, Sophocles (Sanders) English Literature, Dryden to Johnson (Draper) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Yates)</p>	<p>Spanish (Saraaw)</p> <p>Latin, Horace, Div. A (Ballou) Div. B (Swindler) Div. C (—)</p> <p>English, Mid. Eng. Poetry and Chaucer (Brown) Italian (Riddell) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Taylor) Art of the Far East (Powley) Physics, Demonstration (Barnes)</p> <p>Greek Literature (W. C. Wright) English Literature, Dryden to Johnson (Draper) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Yates)</p> <p>Chemistry Journal Club (Brunel and Crenshaw)</p>	<p>Spanish (Saraaw)</p> <p>Latin, Terence, Div. A (—) Div. B (Ballou) Div. C (Swindler)</p> <p>English, Mid. Eng. Poetry and Chaucer (Brown) Italian (Riddell) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Taylor) Italian Renaissance Painting (G. G. King) Physics (Barnes)</p> <p>Greek, Thucydides (Sanders) English Literature, Dryden to Johnson (Draper) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Yates)</p> <p>Social and Industrial Research Laboratory (Deardorff)</p>

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Schrader)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Schrader)
	ELECTIVE	Technique of the Drama (Savage) Psychology of Childhood (—)	Technique of the Drama (Savage) Psychology of Childhood (—)
	POST-MAJOR	Greek, Pindar (Sanders) French Social Ideals (Pardé)	Greek, Pindar (Sanders) French Social Ideals (Pardé)
		Economics and Politics, American Foreign Trade (M. P. Smith) Spanish Painting (G. G. King) Mathematics (Pell)	Economics and Politics, American Foreign Trade (M. P. Smith) Spanish Painting (G. G. King) Mathematics (Pell)
	GRADUATE	Cynwulf and Caedmon (Brown), 2.30-4.30 Italian Seminary (Riddell), 2-4	Advanced Romance Philology (Gilli) Seminary in Municipal Government (Franklin) Advanced Social Statistics (Boone) Seminary in Logic and Metaphysics (—), 2-4 Intelligence Tests (Arlitt) 2-4
3	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Schrader)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Schrader)
	ELECTIVE	Methods of Teaching Composition (Savage) Elocution, Reading of Prose (S. A. King)	Methods of Teaching Composition (Savage) Elocution, Reading of Prose (S. A. King) Advanced Experimental Psychology (Ferree) Record Keeping (Deardorff)
	POST-MAJOR	Greek, Sophocles <i>Ajax</i> (W. C. Wright) Advanced French Composition (Gilli)	Advanced French Composition (Gilli)
		Municipal Government (Franklin) History, American Constitutional (W. R. Smith) Mathematics (Scott) Germanic Seminary (Prokosch), 3-5	Municipal Government (Franklin) History, American Constitutional (W. R. Smith) Mathematics (Scott) Greek Seminary, Greek Orators (Sanders), 3-4.30 Seminary in English Literature (Draper), 3-4.30 French Literature (Pardé), 3-4.30 Egyptian (Barton)
	GRADUATE	Psychology Journal Club (Taylor, Ferree and Rand) Seminary in Modern Painting (G. G. King), 3-5	Seminary in Research in Labour Problems (Boone)
4	GRADUATE	Latin Seminary, Roman Epic (Ballou) Seminary in Mediaeval French Literature (Gilli), 4-6 Seminary in Aramaic and Arabic (Barton) History Journal Club (Gray, W. R. Smith, and David), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Social Treatment (Additon), 4-6 Psychology Seminary (—), 4-6	Greek Journal Club (Sanders and W. C. Wright), 4.30-6. Alternate Weeks Latin Journal Club (—, Windler and Ballou), 4.30-6. Alternate Weeks Middle English Seminary (Brown), 4.30-6 Old French Philology (Gilli) 4.30-6 Semitic Seminary (Barton) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6
			Mathematical Journal Club (Scott and Pell). Alternate Weeks Seminary in Social and Political Philosophy (—), 4-6
		Seminary in Zoology (Tennent), 4.30-6	Seminary in Physiology (Yates), 4.30-6
5	GRADUATE	Introduction to Germanic Philology (Prokosch) Spanish Seminary (—)	Comparative Semitic Grammar (Barton)

SECOND SEMESTER, 1921-22 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Chemistry, Major (Brunel)</p> <p>Psychology of Childhood (——)</p> <p>Greek, Sophocles (Sanders)</p> <p>Latin, Composition (Ballou)</p> <p>French, Masterpieces of French Literature (Pardé)</p> <p>Economics and Politics, American Foreign Trade (M. P. Smith)</p> <p>Spanish Painting (G. G. King)</p> <p>Mathematics (Pell)</p> <p>Biology, Embryology (Tennent)</p> <p>Advanced Old French Philology (Gilli)</p> <p>Archæology Seminary (Carpenter), 2-4</p> <p>Family as a Social Institution (Deardorff), 2-4</p> <p>Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Minor (Crenshaw)</p> <p>Geology, Minor (Bissell)</p> <p>Biology, Major (Yates)</p> <p>Criticism (Crandall)</p> <p>History of Education (Arlitt)</p> <p>French Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Seminary in European History (Gray)</p> <p>Ancient Painting (Swindler)</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Minor (Crenshaw)</p> <p>Geology, Minor (Bissell)</p> <p>Biology, Major (Yates)</p> <p>History of Education (Arlitt)</p> <p>French Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Greek Seminary, Homeric Question (W. C. Wright), 2-4</p> <p>Romance Philology (Gilli)</p> <p>Seminary in Labour Organization (Boone), 2-4</p>
<p>Chemistry, Major (Brunel)</p> <p>Argumentation (Crandall)</p> <p>Greek, Sophocles <i>Ajax</i> (W. C. Wright)</p> <p>Historical French Grammar (Gilli)</p> <p>England under the Tudors (Gray)</p> <p>Biology, Physiology (Yates)</p> <p>Seminary in Politics (Fenwick)</p> <p>Mathematics Seminary (Scott), 3.30-5.30</p> <p>Latin Seminary, Latin Comedy (——), 4.30-6</p> <p>Seminary in English Composition (Crandall), 4-6</p> <p>Seminary in Modern French Literature (Schenck), 4-6.</p> <p>Spanish Seminary (De Haan)</p> <p>Seminary in Oriental Archaeology (Barton)</p> <p>Seminary in American History (W. R. Smith), 4-6</p> <p>Seminary in Industrial Organization (——), 4-6</p> <p>Seminary in History of Philosophy (——)</p> <p>Seminary in Zoology (Tennent), 4.30-6</p> <p>Gothic (Prokosch)</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Minor (Crenshaw)</p> <p>Geology, Minor (Bissell)</p> <p>Biology, Major (Yates)</p> <p>Elements of Statistics (Boone)</p> <p>Roman Satire (——)</p> <p>Italian (Riddell)</p> <p>Spanish (De Haan)</p> <p>England under the Tudors (Gray)</p> <p>Greek Seminary, Greek Orators (Sanders), 3-4.30</p> <p>Seminary in English Literature (Draper), 3-4.30</p> <p>French Literature (Pardé), 3-4.30</p> <p>Anglo-Norman (Gilli)</p> <p>Philosophical Journal Club (——), 3-4.30</p> <p>Mathematics Seminary (Pell) 3.30-5.30</p> <p>Seminary in Educational Psychology (——) 3-5</p> <p>Middle English Seminary (Brown), 4.30-6</p> <p>Seminary in German Literature (Prokosch), 4-6</p> <p>Old French Philology (Gilli), 4.30-6</p> <p>Semitic Seminary (Barton)</p> <p>Historical Bibliography (David)</p> <p>Seminary in Municipal Government (Franklin), 4-6</p> <p>Social and Industrial Research (Deardorff), 4-6</p> <p>Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks</p> <p>Education Journal Club (—— and Arlitt), 4.30-6</p> <p>Seminary in Physiology (Yates), 4.30-6</p> <p>Ethiopic (Barton)</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Minor (Crenshaw)</p> <p>Geology, Minor (Bissell)</p> <p>Biology, Major (Yates)</p> <p>Roman Satire (——)</p> <p>Italian (Riddell)</p> <p>Spanish (De Haan)</p> <p>England under the Tudors (Gray)</p> <p>English Journal Club (Brown, Donnelly, Savage, Crandall and Draper), 3-4.30. Alternate Weeks</p> <p>Romance Languages Journal Club (Schenck, Gilli, Pardé, Riddell, De Haan and ——), 3-4.30. Alternate Weeks</p> <p>Archæological Journal Club (Carpenter and Swindler), 3-4.30. Alternate Weeks</p> <p>Latin Seminary, Latin Comedy (——), 4.30-6</p> <p>Seminary in History of French Revolution (David), 4-6</p> <p>Seminary in Economics (M. P. Smith), 4-6</p> <p>Seminary in Petrology (Bascom), 4.30-6</p> <p>Community Organization (White), 4-6. Alternate Weeks</p> <p>Community Art (——), 4-6. Alternate Weeks</p> <p>Seminary in Principles and Methods of Education (——), 4-6</p> <p>Gothic (Prokosch)</p>

SCHEDULE OF COLLEGIATE EXAMINATIONS.

		WEDNESDAY, JANUARY 25TH.	
		MINOR.	Hour.
		History of Europe, Divs. A and B	9-12
		POST-MAJOR.	
		Latin, Roman Satire	9-11
		History, Tudor England	9-11
		Spanish, Advanced	9-11
		Greek, Æschylus	2- 4
		French, Social Ideals	2- 4
		Economics	2- 4
		History of Art, Spanish Painting	2- 4
		Mathematics, Analysis	2- 4
		ELECTIVE.	
		Technique of the Drama	2- 4
		Psychology of Childhood	2- 4
MONDAY, JANUARY 30TH.		TUESDAY, JANUARY 31st.	
		WEDNESDAY, FEBRUARY 1st.	
MINOR.	Hour.	ELEMENTARY.	Hour.
Greek, Homer	9-11	French	9-12
French, Reading and Composition		Italian	9-12
Div A	9-11	GENERAL.	
Mathematics, Trigonometry	9-11	First Year, English Composition	9-12
MAJOR.		MINOR.	
Italian, Composition	9-11	French, Literature, Div. B	9-11
Great Painting	9-11	Philosophy, Ethics	9-12
ELECTIVE.		Greek Sculpture	9-11
History of the Far East	9-11	MAJOR.	
History of U. S.	9-11	Latin, Tacitus and Composition	9-12.15
Education	9-11	Spanish	9-11
Argumentation	2- 4	History of the Renaissance	9-12
POST-MAJOR.		Psychology, Social Psychology	9-12
Historical French Grammar	2- 3.15	Physics	9-12
Biology, Physiology	2- 4	Chemistry	9-12
		ELECTIVE.	
		Mathematics	9-10.15
		Daily Themes	2- 4
		Statistics	2- 3.15
		POST-MAJOR.	
		Mineralogy	9-11
		ELECTIVE.	
		Reading of Prose	9-10.1
		Advanced Exper. Psychology	9-11
		Record Keeping	9-11
		POST-MAJOR.	
		Greek, Palatine Anthology	9-11
		Latin, Lucretius	9-11
		Advanced French Composition	9-11
		History, American Constitutional	9-11
		Municipal Government	9-11
		Mathematics, Geometry	9-11
		ELECTIVE.	
		Criticism	2- 4
		Education	2- 4
		POST-MAJOR.	
		French Short Story	2- 4
		Politics, International Law	2- 4

SCHEDULE OF MATRICULATION EXAMINATIONS.

WEDNESDAY, JANUARY 18TH.	THURSDAY, JANUARY 19TH.	FRIDAY, JANUARY 20TH.
French, two point	English Composition O. R. or	Algebra
Italian, two point	Literature N. R.	Latin Poets
Spanish, two point	Science, N. R.	Ancient History
German, two point	Greek Prose Authors	
English Composition	Greek Grammar	
Hour.	Hour.	Hour.
11- 1	9.30-12.30	9.30-12.00
11- 1	2.00- 3.30	2.00- 3.30
11- 1	4.00- 5.00	3.45- 5.45
11- 1	5.00- 6.00	
2- 4		
MONDAY, FEBRUARY 6TH.	TUESDAY, FEBRUARY 7TH.	
Minor Latin, Section A	Minor Latin, Section B	
Trigonometry	Solid Geometry	
Hour.	Hour.	
9.30-12.30	9.30-12.30	
2.30- 4.30	2.30- 4.30	

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations by it; on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

FIRST SEMESTER, 1921-22.

THURSDAY, JANUARY 26TH.		FRIDAY, JANUARY 27TH.		SATURDAY, JANUARY 28TH.	
ELEMENTARY.		MINOR.		MINOR.	
Greek.....	9-12	Latin, Horace.....	9-11	Spanish.....	9-12
German.....	9-12	Italian Composition.....	9-11	German, Literature.....	9-11
GENERAL.		Art of the Far East.....	9-11	Ancient Painting.....	2-4
Psychology.....	9-12	MAJOR.		MAJOR.	
MINOR.		Greek, Literature.....	9-11	Hellenistic Towns.....	9-11
Greek, Plato and Sophocles.....	9-12.15	French Reading and Composition.....	9-11	ELECTIVE.	
French Literature, Div. A.....	9-11	Mathematics, Theory of Equations.....	9-11	Modern French Literature.....	9-11
Mathematics, Analytical Conics.....	9-11	POST-MAJOR.		Biblical Literature.....	9-11
Chemistry.....	9-12	Greek, 4th Century Critics.....	2- 3.15	Geology, Natural Resources.....	9-11
Geology.....	9-12	Latin, Composition.....	2- 3.15	POST-MAJOR.	
MAJOR.		French, Masterpieces.....	2- 3.15	Chemistry, Physical.....	9-11
Italian, Literature.....	9-11	Mathematics.....	2- 3.15	MAJOR.	
Renaissance Sculpture.....	9-11	Biology, Embryology.....	2- 4	Latin, Literature.....	2- 4
ELECTIVE.				Spanish.....	2- 4
History of the Near East.....	9-11			ELECTIVE.	
History, Ancient Civilization.....	9-11			Greek, Religion and Myths.....	2- 4
Educational Psychology.....	9-11			Applied Sociology.....	2- 4
Biology, Theoretical.....	11-12.15				
POST-MAJOR.					
Inorganic Chemistry.....	2- 4				
THURSDAY, FEBRUARY 2ND.		FRIDAY, FEBRUARY 3RD.		SATURDAY, FEBRUARY 4TH.	
GENERAL.		ELEMENTARY.		MINOR.	
Second Year English, Literature.....	9-12	Spanish.....	9-12	Economics, Divs A and B.....	9-12
MINOR.		MINOR.		POST-MAJOR.	
English, 19th Century Critics.....	9-12	Latin, Cicero.....	9-11	Stratigraphy and Paleontology.....	9-11
German, Grammar and Reading.....	9-11	Italian, Literature.....	9-11		
Ancient Architecture.....	9-11	Experimental Psychology.....	9-12		
Biology.....	9-12	Italian Renaissance Painting.....	9-11		
MAJOR.		Physics.....	9-12		
Middle English Romances.....	9-12	MAJOR.			
Philosophy, Kant to Spencer.....	9-12	Greek, Demosthenes and Aristophanes.....	9-12.15		
ELECTIVE.		English, Drama.....	9-12		
Private Law.....	9-10.15	French Literature.....	9-11		
Cosmogony.....	10.30-11.45	Politics.....	9-12		
POST-MAJOR.		Mathematics, Diff. and Int. Calculus.....	9-11		
Physics.....	9-11	Geology.....	9-12		
Chemistry, Organic.....	9-11	Biology.....	9-12		

JANUARY-FEBRUARY, 1922.

SATURDAY, JANUARY 21 ST .	MONDAY, JANUARY 23 RD .	TUESDAY, JANUARY 24 TH .
Hour.	Hour.	Hour.
French Grammar and Composition 9.30-10.30	Geometry..... 9.30-12	German Grammar, Composition. 9.30-10.30
French Translation..... 10.45-12.45	Latin Composition..... 2.00- 3.30	German Translation..... 10.45-12.45
English or American History.... 2.00- 4.00	Physics O. and N. R. 3.45- 5.45	Latin Prose Authors..... 2.00- 4.00
		Greek Poets..... 4.15- 5.15

SCHEDULE OF COLLEGIATE EXAMINATIONS,

		WEDNESDAY, MAY 24TH.	
		ELEMENTARY.	Hour.
		French.....	9-10.30
		Italian.....	9-10.30
		GENERAL.	
		First Year English, Literature..	9-12
		MINOR.	
		French Literature, Div. B.....	9-11
		Philosophy, History of.....	9-12
		Greek Sculpture.....	9-11
		MAJOR.	
		Latin, Comedy and Composition.	9-12.15
		Spanish, Reading and Composition.	9-12
		History of British Imperialism...	9-12
		Applied Psychology.....	9-12
		Physics.....	9-12
		Chemistry.....	9-12
		ELECTIVE.	
		Mathematics.....	9-10.15
		Daily Themes.....	2- 4
		Statistics.....	2- 3.15
		POST-MAJOR.	
		Mineralogy.....	9-11
MONDAY, MAY 29TH.		TUESDAY, MAY 30TH.	
		ELEMENTARY.	Hour.
		Greek.....	9-10.30
		German.....	9-10.30
		GENERAL.	
		Philosophy.....	9-12
		MINOR.	
		Greek, Herodotus and Euripides.	9-12.15
		French, Literature, Div. A.....	9-11
		Mathematics, Differential and Integral Calculus.....	9-11
		Chemistry.....	9-12
		Geology.....	9-12
		MAJOR.	
		Italian, Literature.....	9-12
		Renaissance Architecture.....	9-11
		ELECTIVE.	
		History of the Near East.....	9-11
		History, Ancient Civilization	9-11
		Educational Psychology.....	9-11
		Biology, Theoretical.....	9-10.15
		POST-MAJOR.	
		Inorganic Chemistry.....	2- 4
		ELEMENTARY.	Hour.
		French.....	2-3.30
		Italian.....	2-3.30
		MINOR.	
		Politics, Divs. A and B.....	9-12
		Greek and Roman Minor Arts...	2- 4
		MAJOR.	
		Latin, Literature.....	2- 4
		Spanish, Literature.....	2- 4
		ELECTIVE.	
		Literary Geography.....	2- 4
		POST-MAJOR.	
		Stratigraphy and Paleontology..	9-11
WEDNESDAY, MAY 31ST.		MINOR.	
		History of Europe, Divs. A and B	9-11
		POST-MAJOR.	
		History, Tudor England.....	9-11
		Spanish, Advanced.....	9-11
		Greek, Pindar.....	2- 4
		French, Social Ideals.....	2- 4
		Economics.....	2- 4
		History of Art, Spanish Painting.	2- 4
		Mathematics, Analysis.....	2- 4
		ELECTIVE.	
		Technique of the Drama.....	2- 4
		History of Education.....	2- 4

SCHEDULE OF MATRICULATION EXAMINATIONS,

		TUESDAY, MAY 30TH.	WEDNESDAY, MAY 31ST.
		Hour.	Hour.
		Minor Latin, Section A.....	9.30-12.30
		Trigonometry.....	9.30-11.30
		Minor Latin, Section B.....	2.30- 5.30
		Solid Geometry.....	2.30- 4.30
MONDAY, JUNE 5TH.		TUESDAY, JUNE 6TH.	
		Hour.	Hour.
		Geometry.....	9.30-12.00
		Latin, Composition.....	2.00- 3.30
		Physics, O. and N. R.....	3.45- 5.45
		German, Grammar, Composition	9.30-10.30
		German Translation.....	10.45-12.45
		Latin, Prose Authors.....	2.00- 4.00
		Greek Poets.....	4.15- 5.15

SECOND SEMESTER, 1921-22.

THURSDAY, MAY 25TH.		FRIDAY, MAY 26TH.		SATURDAY, MAY 27TH.	
ELECTIVE.	Hour.	GENERAL	Hour.	ELEMENTARY	Hour.
Reading of Prose.....	9-11	Second Year English, Composition	9-12	Spanish.....	9-10-30
Adv. Exper. Psychology.....	9-11	MINOR.		MINOR.	
Record Keeping.....	9-11	English, Romantic Poets.....	9-12	Latin, Terence.....	9-11
POST-MAJOR.		Spanish.....	9-12	Italian, Literature.....	9-11
Greek, Sophocles.....	9-11	German, Grammar and Reading	9-11	Psychology.....	9-12
Latin, Prose of the Empire.....	9-11	Ancient Architecture.....	9-11	Italian, Renaissance Painting.....	9-11
Adv. French Composition.....	9-11	Biology.....	9-12	Physics.....	9-12
History, American Constitutional	9-11	MAJOR		MAJOR	
Municipal Government.....	9-11	English, Middle English Romances	9-12	Greek, Thucydides and Sophocles	9-12-15
Mathematics, Geometry.....	9-11	Philosophy, Recent Philosophical	9-12	English, Dryden to Johnson.....	9-12
ELECTIVE.		Tendencies.....	9-12	French, Literature.....	9-11
Criticism.....	2-4	ELECTIVE.		History of Economic Thought.....	9-12
Education.....	2-4	Private Law.....	9-10-15	Mathematics, Curve Tracing.....	9-11
POST-MAJOR.		Cosmogony.....	11-12-15	Geology.....	9-12
French, Short Story.....	2-4	POST-MAJOR.		Biology.....	9-12
International Law.....	2-4	Physics.....	9-11	POST-MAJOR	
Brochemistry.....	2-4	Chemistry, Organic.....	9-11	Historical French Grammar.....	2-3-15
				Biology, Physiology.....	2-4
THURSDAY, JUNE 1ST.		FRIDAY, JUNE 2ND.		SATURDAY, JUNE 3RD.	
ELEMENTARY.	Hour.	ELEMENTARY	Hour.	MINOR.	Hour.
German.....	9-10-30	Spanish.....	9-10-30	German, Literature.....	9-11
MINOR.		MINOR.		MAJOR.	
Greek, Homer.....	9-11	Latin Horace.....	9-11	Ancient Rome.....	9-11
French, Reading and Composition,	9-11	Italian, Composition.....	9-11	ELECTIVE.	
Div. A.....	9-11	Art of the Far East.....	9-11	Biblical Literature.....	9-11
Mathematics, Theory of Equa-	9-11	MAJOR.		Modern French Literature.....	9-11
tions, Algebra.....	9-11	Greek, Literature.....	9-11	Geology, Natural Resources.....	9-11
MAJOR.		French, Reading and Composi-	9-11	Argumentation.....	2-4
Italian, Composition.....	9-11	tion.....	9-11		
Modern Painting.....	9-11	Mathematics, Anal. Geometry...	9-11		
ELECTIVE.		POST-MAJOR.			
History of the Far East.....	9-11	Mathematics.....	2-3-15		
History of the U. S.....	9-11	Biology, Embryology.....	2-4		
Education.....	9-11				
POST-MAJOR.					
Greek, Sophocles.....	2-3-15				
Latin, Prose Composition.....	2-3-15				
French Masterpieces.....	2-3-15				
Chemistry, Physical.....	9-11				

SPRING, 1922.

THURSDAY, JUNE 1st.	FRIDAY, JUNE 2ND.	SATURDAY, JUNE 3RD.
<p>Hour.</p> <p>English Literature..... 9.30-11 30</p> <p>Science, N. R..... 2.00- 3.30</p> <p>Greek Prose Authors..... 4.00- 5.00</p> <p>Greek Grammar..... 5.00- 6.00</p>	<p>Hour.</p> <p>Algebra..... 9.30-12.00</p> <p>Latin Poets..... 2.00- 3.30</p> <p>Ancient History..... 3.45- 5.45</p>	<p>Hour.</p> <p>French, Grammar, Composition.. 9.30-10.30</p> <p>French Translation..... 10.45-12.45</p> <p>English History or American History..... 2.00- 4.00</p>

MATRICULATION EXAMINATIONS.

SPRING, 1921.

TUESDAY, MAY 24.

<i>Minor Latin, A.</i>	9.30-12.30	<i>Minor Latin, B.</i>	2.30- 5.30
<i>Trigonometry.</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

WEDNESDAY, MAY 25.

Two point optional lan- guage exam- inations, New Requirements. (For Greek see below.)	<i>French Grammar and Composition and Translation.</i>	11.00- 1.00
	or	
	<i>Italian Grammar and Composition and Translation.</i>	11.00- 1.00
	or	
	<i>Spanish Grammar and Composition and Translation.</i>	11.00- 1.00
	or	
	<i>German Grammar and Composition and Translation.</i>	11.00- 1.00
	<i>English Composition.</i>	2.00- 4.00

THURSDAY, MAY 26.

<i>English Literature.</i>	9.30-12.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements).</i>	2.00- 3.30
<i>Greek Prose Authors.</i>	4.00- 5.00
<i>Greek Grammar.</i>	5.00- 6.00

FRIDAY, MAY 27.

<i>Algebra.</i>	9.30-12.00
<i>Latin Poets.</i>	2.00- 3.30
<i>Ancient History.</i>	3.45- 5.45

SATURDAY, MAY 28.

<i>French Grammar and Composition.</i>	9.30-10.30
<i>French Translation.</i>	10.45-12.45
<i>English History or American History.</i>	2.00- 4.00

MONDAY, MAY 30.

<i>Geometry.</i>	9.30-12.00
<i>Latin Composition.</i>	2.00- 3.30
<i>Physics (Old and New Requirements).</i>	3.45- 5.45

TUESDAY, MAY 31.

<i>German Grammar and Composition.</i>	9.30-10.30
<i>German Translation.</i>	10.45-12.45
<i>Latin Prose Authors.</i>	2.00- 4.00
<i>Greek Poets.</i>	4.15- 5.15

AUTUMN, 1921.

MONDAY, SEPTEMBER 26.

<i>French Grammar and Composition and Translation</i>	11.00- 1.00	} <i>Two point optional lan- guage exami- nations, New Requirements. (For Greek see below.)</i>
or		
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>German Grammar and Composition and Translation</i>	11.00- 1.00	
<i>English Composition</i>	2.00- 4.00	

TUESDAY, SEPTEMBER 27.

<i>English Literature</i>	9.30-12.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	2.00- 3.30
<i>Greek Prose Authors</i>	4.00- 5.00
<i>Greek Grammar</i>	5.00- 6.00

WEDNESDAY, SEPTEMBER 28.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>Ancient History</i>	3.45- 5.45

THURSDAY, SEPTEMBER 29.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

FRIDAY, SEPTEMBER 30.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

SATURDAY, OCTOBER 1.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

WEDNESDAY, OCTOBER 5.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

THURSDAY, OCTOBER 6.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1922.

WEDNESDAY, JANUARY 18.

Two point
optional lan-
guage exam-
inations, New
Requirements.
(For Greek
see below.)

<i>French Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00
or	
<i>German Grammar and Composition and Translation</i>	11.00- 1.00
<i>English Composition</i>	2.00- 4.00

THURSDAY, JANUARY 19.

<i>English Literature</i>	9.30-12.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or</i> <i>Physical Geography (New Requirements)</i>	2.00- 3.30
<i>Greek Prose Authors</i>	4.00- 5.00
<i>Greek Grammar</i>	5.00- 6.00

FRIDAY, JANUARY 20.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>Ancient History</i>	3.45- 5.45

SATURDAY, JANUARY 21.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

MONDAY, JANUARY 23.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

TUESDAY, JANUARY 24.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

MONDAY, FEBRUARY 6.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

TUESDAY, FEBRUARY 7.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

SPRING, 1922.

TUESDAY, MAY 30.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	2.30- 5.30
<i>Trigonometry</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

WEDNESDAY, MAY 31.

<i>French Grammar and Composition and Translation</i>	11.00- 1.00	} <i>Two point optional lan- guage exam- inations, New Requirements, (For Greek see below.)</i>
or		
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>German Grammar and Composition and Translation</i>	11.00- 1.00	
<i>English Composition</i>	2.00- 4.00	

THURSDAY, JUNE 1.

<i>English Literature</i>	9.30-12.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	2.00- 3.30
<i>Greek Prose Authors</i>	4.00- 5.00
<i>Greek Grammar</i>	5.00- 6.00

FRIDAY, JUNE 2.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>Ancient History</i>	3.45- 5.45

SATURDAY, JUNE 3.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

MONDAY, JUNE 5.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.00
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

TUESDAY, JUNE 6.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

AUTUMN, 1922.

MONDAY, SEPTEMBER 25.

Two point optional lan- guage exam- inations, New Requirements. (For Greek see below.)	<i>French Grammar and Composition and Translation</i>	11.00- 1.00
	or	
	<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00
	or	
	<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00
	or	
	<i>German Grammar and Composition and Translation</i>	11.00- 1.00
	<i>English Composition</i>	2.00- 4.00

TUESDAY, SEPTEMBER 26.

<i>English Literature</i>	9.30-12.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or</i> <i>Physical Geography (New Requirements)</i>	2.00- 3.30
<i>Greek Prose Authors</i>	4.00- 5.00
<i>Greek Grammar</i>	5.00- 6.00

WEDNESDAY, SEPTEMBER 27.

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>Ancient History</i>	2.00- 4.00

THURSDAY, SEPTEMBER 28.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	3.45- 5.45

FRIDAY, SEPTEMBER 29.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

SATURDAY, SEPTEMBER 30.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

WEDNESDAY, OCTOBER 4.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

THURSDAY, OCTOBER 5.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1923.

WEDNESDAY, JANUARY 17.

<i>French Grammar and Composition and Translation</i>	11.00- 1.00	} <i>Two point optional lan- guage exam- inations, New Requirements. (For Greek see below.)</i>
or		
<i>Italian Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>Spanish Grammar and Composition and Translation</i>	11.00- 1.00	
or		
<i>German Grammar and Composition and Translation</i>	11.00- 1.00	
<i>English Composition</i>	2.00- 4.00	

THURSDAY, JANUARY 18.

<i>English Literature</i>	9.30-12.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	2.00- 3.30
<i>Greek Prose Authors</i>	4.00- 5.00
<i>Greek Grammar</i>	5.00- 6.00

FRIDAY, JANUARY 19

<i>Algebra</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30
<i>Ancient History</i>	2.00- 4.00

SATURDAY, JANUARY 20.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	3.45- 5.45

MONDAY, JANUARY 22.

<i>Geometry</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Physics (Old and New Requirements)</i>	3.45- 5.45

TUESDAY, JANUARY 23.

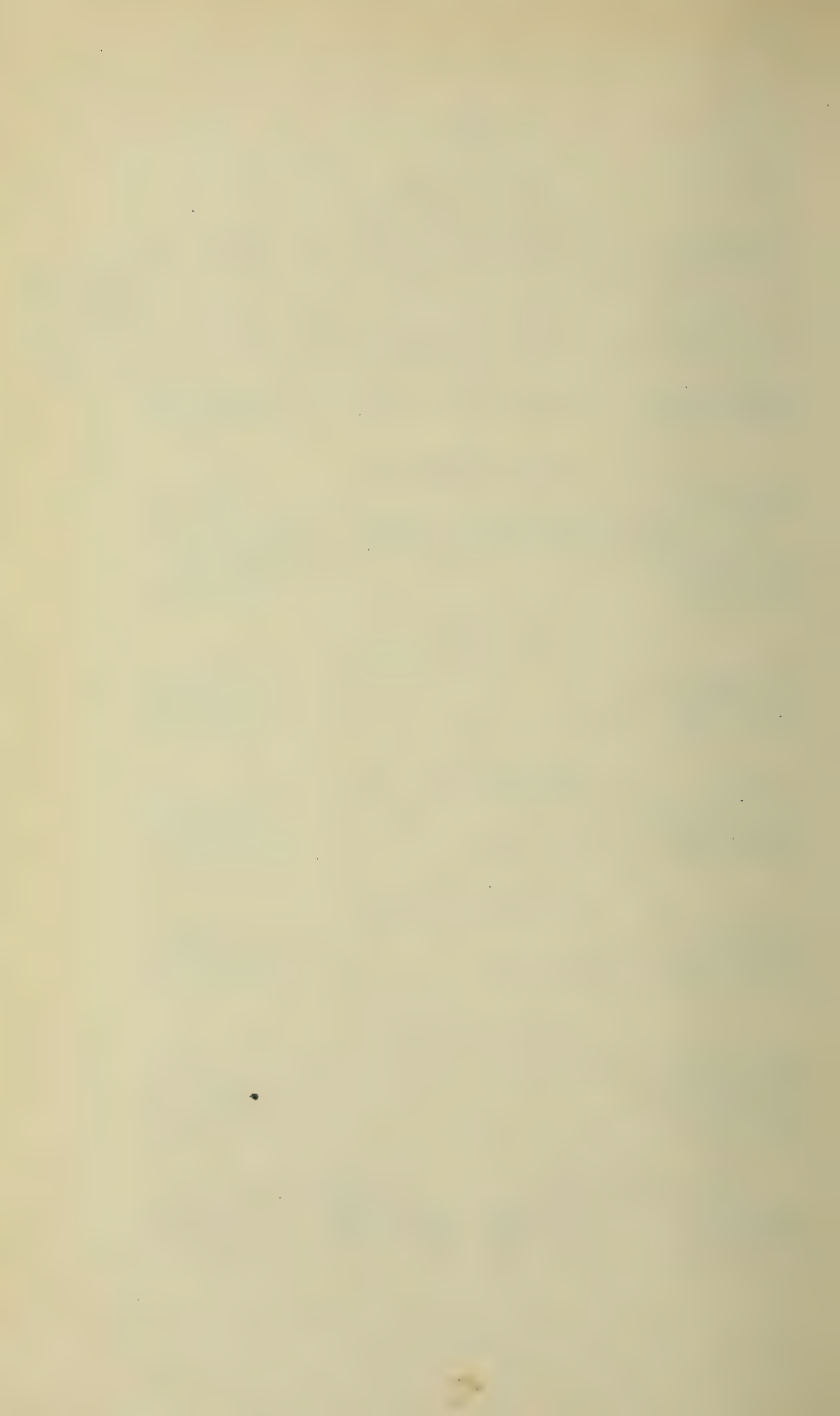
<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Latin Prose Authors</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

MONDAY, FEBRUARY 5.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

TUESDAY, FEBRUARY 6.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30



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BRYN MAWR COLLEGE

CALENDAR

THE LIBRARY OF THE

UNDERGRADUATE AND GRADUATE COURSES

FEB 8 1926
UNIVERSITY OF ILLINOIS

1922



BRYN MAWR, PENNSYLVANIA.
Published by Bryn Mawr College,
May, 1922

Volume XV: Part 3.

BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE COURSES

1922

BRYN MAWR, PENNSYLVANIA.

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Philadelphia, Pa.

BRYN MAWR COLLEGE CALENDAR.

1922.

- PART 1. Register of Alumnæ and Former Students.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

COLLEGE CALENDAR

1922.

JANUARY

JULY

S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	2	3	4	5	6	7	8
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FEBRUARY

AUGUST

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MARCH

SEPTEMBER

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APRIL

OCTOBER

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MAY

NOVEMBER

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JUNE

DECEMBER

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1923.

JANUARY

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FEBRUARY

AUGUST

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MARCH

SEPTEMBER

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APRIL

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MAY

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JUNE

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JANUARY

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JUNE

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22	23	24	25	26	27	28
29	30					

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 7, 1923.

ACADEMIC YEAR, 1922-23.

September 25th.	Matriculation examinations begin.
October 2nd.	Registration of students. Halls of Residence open for students at three p. m.
October 3rd.	Registration of students. Matriculation examinations end.
October 4th.	The work of the thirty-eighth academic year begins at a quarter to nine o'clock.
October 5th.	Examinations for advanced standing begin.
October 7th.	Language examinations for all undergraduates.
October 14th.	Senior examination in French. Language examinations for Juniors. M.A. Language examinations.
October 21st.	Senior examination in German.
October 26th.	Examinations for advanced standing end.
November 20th.	Collegiate and matriculation condition examinations begin.
November 25th.	M.A. Language examinations.
November 28th.	Collegiate and matriculation condition examinations end.
November 29th.	Thanksgiving vacation begins at one o'clock.
December 4th.	Thanksgiving vacation ends at nine o'clock.
December 9th.	Senior examination in French. Ph.D. Language examinations.
December 16th.	Senior examination in German.
December 21st.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock. Friday Lectures given on Saturday.
January 17th.	Matriculation examinations begin.
January 23rd.	Ph.D. Language examinations. Matriculation examinations end.
January 24th.	Half-yearly collegiate examinations begin.
February 3rd.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 5th.	Vacation.
February 6th.	Vacation.
February 7th.	The work of the second semester begins at a quarter to nine o'clock.
February 8th.	Examinations for advanced standing begin.
March 1st.	Examinations for advanced standing end.
March 10th.	Senior examination in French.
March 16th.	Announcement of European Fellowships.
March 17th.	Senior examination in German.
March 19th.	Collegiate and matriculation condition examinations begin.
March 21st.	Mid-semester examination in matriculation Greek.
March 27th.	Collegiate and matriculation condition examinations end.

March 28th.	Easter vacation begins at one o'clock.
April 5th.	Easter vacation ends at nine o'clock.
April 7th.	Ph.D. Language examinations.
May 12th.	Senior examinations in French and German.
May 22nd.	Vacation.
May 23rd.	Collegiate examinations begin.
May 29th.	Matriculation examinations begin.
June 2nd.	Collegiate examinations end.
June 5th.	Matriculation examinations end.
June 7th.	Conferring of degrees and close of thirty-eighth academic year.

ACADEMIC YEAR, 1923-24.

September 24th.	Matriculation examinations begin.
October 1st.	Registration of students. Halls of Residence open for students at three p. m.
October 2nd.	Registration of students. Matriculation examinations end.
October 3rd.	The work of the thirty-ninth academic year begins at a quarter to nine o'clock.
October 4th.	Examinations for advanced standing begin.
October 6th.	Language examinations for all undergraduates.
October 13th.	Senior examination in French. Language examinations for Juniors. M.A. Language examinations.
October 20th.	Senior examination in German.
October 25th.	Examinations for advanced standing end.
November 19th.	Collegiate and matriculation condition examinations begin.
November 24th.	M.A. Language examinations.
November 27th.	Collegiate and matriculation condition examinations end.
November 28th.	Thanksgiving vacation begins at one o'clock.
December 3rd.	Thanksgiving vacation ends at nine o'clock.
December 8th.	Senior examination in French. Ph. D. Language examinations.
December 15th.	Senior examination in German.
December 20th.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock. Lectures given on Saturday.
January 16th.	Matriculation examinations begin.
January 22nd.	Matriculation examinations end. Ph.D. Language examinations.
January 23rd.	Half-yearly collegiate examinations begin.
February 2nd.	Collegiate examinations end. Annual meeting of the Alumnae Association.

February 4th.	Vacation.
February 5th.	Vacation.
February 6th.	The work of the second semester begins at a quarter to nine o'clock.
February 7th.	Examinations for advanced standing begin.
February 27th.	Examinations for advanced standing end.
March 8th.	Senior examination in French.
March 15th.	Senior examination in German.
March 17th.	Collegiate and matriculation condition examinations begin.
March 19th.	Mid-semester examination in matriculation Greek.
March 21st.	Announcement of European Fellowships.
March 25th.	Collegiate and matriculation condition examinations end.
March 26th.	Spring vacation begins at one o'clock.
April 2nd.	Spring vacation ends at nine o'clock.
April 5th.	Ph.D. Language examinations.
April 18th.	Good Friday. Vacation.
May 10th.	Senior examinations in French and German.
May 20th.	Vacation.
May 21st.	Collegiate examinations begin.
May 27th.	Matriculation examinations begin.
May 31st.	Collegiate examinations end.
June 3rd.	Matriculation examinations end.
June 5th.	Conferring of degrees and close of thirty-ninth academic year.

ACADEMIC YEAR, 1924-25.

September 22nd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students. Matriculation examinations end.
October 1st.	The work of the fortieth academic year begins at a quarter to nine o'clock.

SCHEDULE OF EXAMINATION FOR MATRICULATION.

For Schedules from Autumn, 1922, to Winter, 1924, see end of volume.

SCHEDULE OF LECTURES.

See pages 218-225.

SCHEDULE OF COLLEGIATE EXAMINATIONS.

See pages 226-229

CORPORATION

RUFUS M. JONES,
President.

ASA S. WING,
Treasurer.

ANNA RHOADS LADD,
Secretary.

RUFUS M. JONES.

ABRAM F. HUSTON.

M. CAREY THOMAS.

ANNA RHOADS LADD.

ASA S. WING.

ARTHUR H. THOMAS.

CHARLES J. RHOADS.

WILLIAM C. DENNIS.

THOMAS RAEBURN WHITE.

ARTHUR PERRY.

FREDERIC H. STRAWBRIDGE.

ARTHUR FREEBORN CHACE.

RICHARD M. GUMMERE.

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Chairman.

ASA S. WING,
Treasurer.

ANNA RHOADS LADD,
Secretary.

RUFUS M. JONES.

MARION REILLY.

M. CAREY THOMAS.

ARTHUR PERRY.

ASA S. WING.

ARTHUR FREEBORN CHACE.

CHARLES J. RHOADS.

FRANCES FINCKE HAND.

THOMAS RAEBURN WHITE.

RICHARD M. GUMMERE.

FREDERIC H. STRAWBRIDGE.

CAROLINE McCORMICK SLADE.

ANNA RHOADS LADD.

HELEN TAFT MANNING.

ABRAM F. HUSTON.

EDNA FISCHER GELLHORN.

ARTHUR H. THOMAS.

MARGARET AYER BARNES.

WILLIAM C. DENNIS.

LOUISE BUFFUM CONGDON FRANCIS.

OFFICERS OF ADMINISTRATION

ACADEMIC YEAR, 1921-22.

President,

M. CAREY THOMAS, PH.D., LL.D., L.H.D.
Office: Taylor Hall.

Dean of the College,

HILDA WORTHINGTON SMITH, M.A.
Office: Taylor Hall.

Recording Dean and Assistant to the President,

ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.

Secretary and Registrar of the College,

EDITH ORLADY, A.B. Office: Taylor Hall.

Wardens of the Halls of Residence,

ALYS SMITH RUSSELL, A.B., Pembroke Hall.
FRIEDRIKA MARGRETHA HEYL, A.B., Radnor Hall.
MARY SUMMERFIELD GARDINER, A.B., Denbigh Hall.
AGNES DOROTHY SHIPLEY, M.A., Pembroke West.
HELEN JUANITA BARRETT, A.B., Rockefeller Hall.
THEODORA BATES, M.A., Merion Hall.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Superintendent,

JOHN J. FOLEY. Office: Rockefeller Hall.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library

Director of Physical Training and Supervisor of Health,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Physician-in-Chief,

THOMAS F. BRANSON, M.D. Rosemont, Pa.

Assistant Resident Physician,

MABEL HATTERSLEY PEARSON, M.D., 1905 Infirmary, Bryn Mawr. Office:
The Infirmary, Bryn Mawr College.

Examining Oculist,

HELEN MURPHY, M.D. 1408 Spruce Street, Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1921-22.

M. C. THOMAS, D.D., LL.D., LL.D. *President of the College and*

ADDENDUM: (Under *Academic Appointments*, pages 9-16, add:)

ELEANOR BONTECOU, A.B., J.D., *Acting Dean (elect) of the College.*

A.B., Bryn Mawr College, 1913; J.D., New York University Law School, 1917. Warden of Denbigh Hall, 1913-14; Teacher in Miss Beard's School, Orange, N. J., 1914-15; Private Secretary, 1915-16; Private Tutor, 1916-17; Student, New York University Law School, 1914-17; Admitted to New York Bar, 1919, and Attorney and Counsellor-at-Law, New York City, 1919-22.

THEOPHILE MEEK, Ph.D., *Professor (elect) of Semitic Languages and the History of Religion.*

B.A., University of Toronto, 1903; B.D., McCormick Theological Seminary, Chicago, 1909; Ph.D., University of Chicago, 1915. Nettie F. McCormick Travelling Fellow in Hebrew, 1906-08; Fellow in Semitics to the British Museum from the University of Chicago, 1914; Professor of Biblical History and Literature, James Milliken University, Decatur, Illinois, 1909-18; Professor of Old Testament and the History of Religions at Meadville Theological School, Meadville, 1918-22.

FRANCES HIGGINSON FULLER, A.B., *Instructor (elect) in English Composition.*

A.B., Bryn Mawr College, 1919. Student at the Art Students' League, New York, 1919-21; in charge of the Department of English and Latin, High School, Watertown, Massachusetts, 1921-22.

MARY RUTH ALMACK, M.A., *Assistant Demonstrator (elect) in Experimental Psychology.*

A.B., Ohio State University, 1915, and M.A., 1916. Fellow in Psychology, Bryn Mawr College, 1916-18; Assistant Demonstrator and Graduate Student in Experimental Psychology, 1918-20; Instructor in Psychology, University of Kansas, 1920-22.

ISABEL KING WALLACE, A.B., *Assistant Demonstrator (elect) in Applied Psychology.*

A.B., University of Rochester, 1916. Factory Experience in Art in Buttons, 1916-18, and Director of Service Department, 1919-21. Grace H. Dodge Scholar in Social Economy and Social Research, Bryn Mawr College, 1921-22.

MARGUERITE CELESTINE DAUCHY, B.S., *Half Time Reader (elect) in Mathematics.*

B.S., University of Vermont, 1922.

Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

* Granted sabbatical leave of absence for the year 1922-23.

OFFICERS OF ADMINISTRATION

ACADEMIC YEAR, 1921-22.

President,

MABEL HATTERSLEY PEARSON, M.D., 1905 Infirmary, Bryn Mawr. Office:
The Infirmary, Bryn Mawr College.

Examining Oculist,

HELEN MURPHY, M.D. 1408 Spruce Street, Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1921-22.

M. CAREY THOMAS, PH.D., LL.D., L.H.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zurich, 1882. Student in the Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

MARION EDWARDS PARK, PH.D., *President (elect) of the College.*

A.B., Bryn Mawr College, 1898, M.A., 1899, and Ph.D., 1918. Holder of the Bryn Mawr European Fellowship, 1898-99, and Graduate Student, Bryn Mawr College, 1898-99, 1912-14; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-06, and Acting Dean of Women, 1903-04; Teacher in Miss Wheeler's School, Providence, R. I., 1906-09; Acting Dean of the College, Bryn Mawr College, 1911-12; Assistant Professor of Classics, Colorado College, 1914-15; Graduate Student, Johns Hopkins University, 1915-16, and Fellow in Latin, Bryn Mawr College, 1916-17; Acting Dean of Simmons College, 1918-20, and Dean, 1920-21; Dean of Radcliffe College, 1921-22.

HILDA WORTHINGTON SMITH, M.A., *Dean of the College.*

A.B., Bryn Mawr College, 1910, and M.A., 1911. Graduate Student, Bryn Mawr College, 1910-11; New York School of Philanthropy, 1912-13, 1914-15; Columbia University, 1914-15; Warden of Rockefeller Hall, 1913-14; Volunteer Social Worker, 1915-16; Director of Bryn Mawr Community Centre, 1916-19.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93; and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM,* PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

WILMER CAVE WRIGHT, PH.D., *Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

* Granted sabbatical leave of absence for the year 1922-23.

JAMES H. LEUBA,* PH.D., *Professor of Psychology.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-94; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER,* PH.D., *Alumnæ Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Alumnæ Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY,† A.B., *Mary Elizabeth Garrett Memorial Alumna Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

DAVID HILT TENNENT,† PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

CARLETON BROWN, PH.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05; Associate in English Philology, Bryn Mawr College, 1905-07; Associate Professor, 1907-10, and Professor, 1910-17; Professor of English, University of Minnesota, 1917-21; Exchange Professor, University of Oxford, 1919-20.

JAMES BARNES, PH.D., *Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA,* PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH, PH.D., *Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, PH.D., *Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

* Granted sabbatical leave of absence for the year 1921-22.

† Granted sabbatical leave of absence for the year 1922-23.

GRACE MEAD ANDRUS DE LAGUNA,* Ph.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow in Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, Ph.D., *Margaret Kingsland Haskell Professor of English Composition.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

ROGER FREDERIC BRUNEL, Ph.D., *Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO,* Ph.D., *Phebe Anna Thorne Professor of Education and Director of the Phebe Anna Thorne School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, Ph.D., *Associate in Experimental and Applied Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, Ph.D., *Associate Professor of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Dean of the College, Bryn Mawr College, 1916-17.

SAMUEL CLAGGETT CHEW,* Ph.D., *Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

SUSAN MYRA KINGSBURY,* Ph.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

GEORGIANA GODDARD KING, M.A., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and M.A., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER, Ph.D., *Professor of Classical Archaeology.*

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Driessler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13; Absent for Military Service, 1917-19.

* Granted sabbatical leave of absence for the year 1921-22.

CHARLES GHEQUIERE FENWICK, PH.D., *Professor of Political Science.*

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

HOWARD LEVI GRAY, PH.D., *Professor of History.*

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15. Absent on War Service, 1918-19.

JAMES LLEWELLYN CRENSHAW, PH.D., *Associate Professor of Physical Chemistry.*

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15. Absent for Military Service, 1917-19.

HOWARD JAMES SAVAGE, PH.D., *Associate Professor of Rhetoric and Director of the Work in English Composition.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915. Absent for Military Service, 1917-19.

ETHEL ERNESTINE SABIN, PH.D., *Associate in Philosophy.*

A.B., University of Wisconsin, 1908, and A.M., 1914; Ph.D., University of Illinois, 1916. Graduate Scholar, University of Wisconsin, 1913-14; Fellow, University of Illinois, 1914-16; Assistant in English, University of Illinois, 1916-17.

ADA HART ARLITT, PH.D., *Associate in Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

ANNA JOHNSON PELL, PH.D., *Associate Professor of Mathematics.*

A.B., University of South Dakota, 1903; M.S., University of Iowa, 1904; A.M., Radcliffe College, 1905; Ph.D., University of Chicago, 1910; Holder of Alice Freeman Palmer Fellowship of Wellesley College and Student in Mathematics, University of Göttingen, 1906-07; Instructor in Mathematics, Mount Holyoke College, 1911-14, and Associate Professor of Mathematics, 1914-18.

CHARLES WENDELL DAVID, PH.D., *Associate Professor of History.*

B.A., Oxford University, 1911; A.M., University of Wisconsin, 1912; Ph.D., Harvard University, 1918; Rhodes Scholar, University of Oxford, 1908-11. Instructor in History, University of Washington, 1915-18.

AGNES RUTHERFORD RIDDELL, PH.D., *Associate in Italian.*

A.B., University of Toronto, 1896, with first class honours in Modern Languages; and A.M., 1897. Honours, Ontario Normal College, 1898. Ph.D., University of Chicago, 1916. Teacher of French and German, Oshawa High School, 1898-1901; Assistant Reader, Department of English, University of Toronto, 1902-11; Teacher of English, Branksome Hall, Toronto, 1904-05; Teacher of German, Latin and English, Westbourne School, Toronto, 1906-10, 1913-14; Graduate Student in Romance Languages, University of Chicago, January, 1912, to August, 1913; Fellow in Romance Languages, University of Chicago, 1914-15; Acting Head of Kelly Hall, University of Chicago, summers of 1913, 1914 and 1915; Professor of Romance Languages, and Dean of Women, College of Emporia, 1915-17.

MARCELLE PARDÉ, * *Agrégée des Lettres, Associate in French.*

Beauvais, Oise, France. Ecole Normale Supérieure de Sévres, 1911-14. Teacher in the Lycée, Chaumont, Haute Marne, 1915-19; Student, the Sorbonne, 1911-16; Agrégée des lettres, University of Paris, 1917.

* Granted leave of absence for the year 1922-23.

EDUARD PROKOSCH, PH.D., *Associate Professor of German.*

Eger, Bohemia. University of Prague, 1894-95; University of Vienna, 1895-97; University of Chicago, 1899-1904; *Staats Examen*, 1897; A.M., University of Chicago, 1901; University of Leipzig, 1904-05; Ph. D., University of Leipzig, 1905. Instructor in German, Francis W. Parker School and School of Education, University of Chicago, 1901-02; Instructor in German Department, University of Chicago, 1902-04; University of Wisconsin, 1905-09; Assistant Professor of German and Comparative Philology, University of Wisconsin, 1909-13; Professor of Germanic Philology, University of Texas, 1913-19.

ANNA BAKER YATES, PH.D., *Associate in Physiology and Biochemistry.*

A.B., Mount Holyoke College, 1913; M.A., Columbia University, 1915; Ph.D., Columbia University, 1920. Assistant in Chemistry, Barnard College, 1913-15; Instructor in Physiology, Mount Holyoke College, 1915-17; Scientific Assistant, U. S. Public Health Service, August to December, 1917; Teaching Fellow in Physiology, University of Minnesota, 1917-18; Member of Instructing Staff, Training Course for Health Officers, Mount Holyoke College, 1919; Special Investigator, Industrial Service Section, Chicago District Ordnance Department, 1918-19; Instructor in Physiology, Wellesley College, 1919-20.

CLAUDE GILLI, B.A., *Associate Professor of French.*

Nice, France. B.A., London University, First Class Honours, 1909; Rothschild Prizeman in Romance Philology, University College; Lecturer in Romance Philology, East London College, 1910-13; and in Westfield College, 1912-14; Lecturer, University of Montpellier, 1917-20.

FRANZ SCHRADER, PH.D., *Associate in Biology.*

B.S., Columbia University, 1914, and Ph.D., 1919. Scientist for the Bureau of Fisheries, Department of Commerce, Washington, D. C., 1915-16 and summer of 1917; and Pathologist, 1919 to January 31, 1921. Assistant in Zoölogy, Columbia University, 1918-19.

MARY HAMILTON SWINDLER, PH.D., *Associate in Latin and Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, in Miss Wright's School, Bryn Mawr, 1911-12, and in the Phebe Anna Thorne School, 1914-17.

MALCOLM HAVENS BISSELL, PH.D., *Associate in Geology.*

Ph.B., Yale University, 1911, A.M., 1918, and Ph.D., 1921; Instructor in Engineering, University of Pittsburgh, 1913-14; Assistant in Geography, Yale University, 1917-18; with Connecticut Geological Survey, 1917.

EVA WHITING WHITE, B.S., *Non-resident Lecturer in Social Economy (Community Organization).*

B.S., Simmons College, 1907. Head Resident, Elizabeth Peabody House, Boston, Mass., 1909—; Massachusetts Board of Education, in charge of Vocational Education for Women and Girls, 1910-14; Staff Lecturer, Boston School for Social Work, 1912-14; Massachusetts Homestead Commission, 1916—; Massachusetts Immigration Commission, 1916; Survey of Public Schools, Gary, Ind., 1916; Vice-Chairman, Federal Commission on Living Conditions, 1917-19; Director of Training, Intercollegiate Community Service Association, 1919—.

NEVA DEARDORFF, PH.D., *Associate Professor of Social Economy (Social Relief).*

A.B., University of Michigan, 1908; Ph.D., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1908-11. Staff, Assistant Director, Bureau of Municipal Research, Philadelphia, 1912-18; Chief, Department of Vital Statistics, City of Philadelphia, 1914-16; Assistant to Director-General of Civilian Relief, American Red Cross, 1918-21.

HENRIETTA ADDITON, M.A., *Non-resident Lecturer in Social Economy (Social Guardianship).*

A.B., Piedmont College, 1907; M.A., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1910-11, 1912-13. Instructor, History and Civics, Piedmont College, 1908-10; Agent, Philadelphia Society for Organizing Charity, 1913-14; Probation Officer and Case Supervisor, Philadelphia Municipal Court, 1914-16; In Charge, Probation Department, Juvenile Court, 1917; Assistant Director and Director, Section on Women and Girls, Law Enforcement Division, Commission on Training Camp Activities, War Department, 1918-19; Executive Assistant and Director, Field Service, Women and Girls, United States Interdepartmental Social Hygiene Board, 1919—.

SUSAN HELEN BALLOU, Ph.D., *Associate in Latin.*

Ph.B., University of Chicago, 1897; Ph.D., University of Giessen, 1912. Graduate Scholar in Latin, University of Chicago, 1897-98, Assistant in Latin, 1898-1900, and Associate in Latin, 1901-07; Travelling Fellow of the Association of Collegiate Alumnae at the American School of Classical Studies, Rome, 1901-02; Student of Palæography in Rome, 1903-04, and Carnegie Research Fellow in Latin Literature, American School of Classical Studies, Rome, 1905-06. Student, Universities of Göttingen and Giessen, 1910, 1911. Instructor in Latin, University of Chicago, 1907-15; in charge of Latin Department, Michigan Western State Normal School, 1915-17; Instructor in History, University of Wisconsin, 1917-20.

THOMAS WHITNEY SURETTE, *Director of the Department of Theoretical Music.*

Special Student, Harvard University, 1890-92. Staff Lecturer in Music to the Extension Delegacy of Oxford University, 1907—. Curator of Music in the Museum of Art, Cleveland, O.

CHARLES EMIL KANY, Ph.D., *Associate in Spanish.*

A.B., University of Michigan, 1917; A.M., Harvard University, 1918, and Ph.D., 1920. Royal Academy of Music and Normal School of Languages, Vienna, 1912-16; *Staatsprüfung* for French and German, Vienna, 1915; Instructor in Music and German, Winona College, Indiana, summer, 1916; Graduate Student in Romance Philology, Harvard University, 1917-20; Thayer Fellow, 1918-19, and Harris Fellow, 1919-20; Frederick Sheldon Travelling Fellow, 1920-21; University of Florence, summer, 1920; The Sorbonne, Collège de France, Institut Catholique, École pratique des hautes Études, 1920-21; University of Madrid, summer, 1921.

HORACE ALWYNE, A.R.M.C.M., *Associate Professor of Music.*

Manchester, England. Holder of Sir Charles Hallé Memorial Scholarship, 1909-12, Gold medallist and graduate (with distinction) of Royal Manchester College of Music, England, 1912. Director of Music, Manchester Grammar School, 1911-12; Head of Piano Department, Skidmore School of Arts, Saratoga Springs, N. Y., 1914-21; Student of Professor Max Mayer (England) and Professor Michael von Zadora (Berlin).

JOHN WILLIAM DRAPER,* Ph.D., *Lecturer in English Literature.*

A.B., New York University, 1914; and A.M., 1915; M.A., Harvard University, 1918, and Ph.D., 1920; Assistant in English, New York University, September, 1914, to December, 1915, and Instructor in English, December, 1915, to September, 1916; Instructor in English, University of Minnesota, 1920-21.

WILL SENTMAN TAYLOR,† M.A., *Lecturer in Psychology.*

S.B., Pennsylvania College of Gettysburg, 1916; M.A., Harvard University, 1920; Assistant in Philosophy, Psychology and Modern European History, Pennsylvania College of Gettysburg, 1916-17; Assistant in Philosophy, Harvard University, 1919-20.

HARRIET ESTABROOKS O'SHEA,‡ M.A., *Lecturer in Education.*

A.B., University of Wisconsin, 1916, and M.A., 1917. Assistant in Education, University of Wisconsin, 1916; Teacher of Education and Social Psychology, State Teacher's College, Colorado, 1917; Statistician, Trade Test Department, Committee on Classification of Personnel, 1918; Examiner, Clinic for Nervous Disorders, Bellevue Hospital, 1919; Teacher of Education and School Psychologist, Child Education Foundation, 1917-19; Anna C. Brackett Memorial Fellow in Education, Columbia University, 1919-20, and Teachers College Fellow, 1920-21.

JAMES ALEXANDER KERR THOMSON,§ M.A., *Lecturer in Latin.*

Aberdeen, Scotland. M.A., Aberdeen University, 1900; B.A., Oxford University, 1905. Scholar of Pembroke College, Oxford, 1901; Assistant Professor of Greek, University of St. Andrews, 1906; Assistant Professor of Greek and Lecturer in Greek History, University of Aberdeen, 1908; Lecturer in Classics, Harvard University, 1919.

WALTER LLEWELLYN BULLOCK, Ph.D., *Associate (elect) in Italian.*

A.B., Harvard University, 1917, M.A., 1920 and Ph.D., 1922. Graduate Student, Harvard University, 1917-22; Holder of Joseph Eveleth Scholarship, 1914-15; of the Matthews Scholarship, 1916-17; Lee Wade Prize (3rd) and Boylston Prize; Temporary Master, Rugby School, England, 1913-17; Tutor in Argumentation in Department of English, Wellesley College, 1915-16; Instructor in French, Wellesley College, 1921-22.

* Substitute for Professor Samuel Claggett Chew, Professor of English Literature.

† Substitute for Professor James H. Leuba, Professor of Psychology.

‡ Substitute for Professor Matilde Castro, Professor of Education.

§ Substitute for Professor Arthur Leslie Wheeler, Professor of Latin.

KATHERINE ROTAN DRINKER, M.D., *Non-resident Lecturer in Hygiene.*

A.B., Bryn Mawr College, 1910; M.D., Woman's Medical College of Pennsylvania, 1914. Graduate Research Student, Department of Physiology, Harvard Medical School, 1914-15, and Johns Hopkins Medical School, 1915-16; Assistant Resident Physician, Peter Bent Brigham Hospital, Boston, 1917; Managing Editor, *Journal of Industrial Hygiene*, Harvard Medical School, 1918—.

GEORGE A. JOHNSTON ROSS, D.D., *Non-resident Lecturer in Christian Ethics.*

Inverness, Scotland. M.A., University of Edinburgh, 1884; United Presbyterian College, Edinburgh, 1888; D.D., Harvard University, 1919; D.D., Knox College, Toronto, 1919. Professor of Practical Theology, Presbyterian College, Montreal, Canada, 1911-12; Professor of Homiletics, Union Theological Seminary, New York City, 1912—.

WILLIAM SIDNEY TANGIER SMITH,* Ph.D., *Lecturer (elect) in Geology.*

B.L., University of California, 1890, and Ph.D., 1896. Graduate Student, Johns Hopkins University, 1890-91; Professor of Mathematics and Natural Science, Occidental College, Los Angeles, 1894-95; Lecturer in Mineralogy, 1894-97; Professor of Mathematics, State Normal School, Chica, California, 1897-98; Assistant in Mineralogy, University of California, 1899-1900; Assistant Geologist, U. S. Geological Survey, 1900-1905; Assistant Professor and Professor of Geology and Mineralogy, University of Nevada, 1906-12; Instructor in Geology, Summer School, University of California, 1915, and temporarily in charge of classes in Geology, University of California, 1913, 1919, 1920; Consulting Geologist, 1912-22.

HELEN SARD HUGHES,† Ph.D., *Lecturer (elect) in English Literature.*

Ph.B. and Ed.B., University of Chicago, 1910; M.A., 1911 and Ph.D., 1917. Acting Head of the Department of Literature, Western College, Oxford, O., 1911-12; Instructor in English, Wellesley College, 1912-14; Fellow and Assistant in English, University of Chicago, 1915-17; Fellow of the Woman's Educational Association of Boston, 1915-16; Instructor in Literature, Grinnell College, Jan. to June, 1916; Instructor and Assistant Professor of English, Montana State University, 1917-19; Associate in English, State University of Iowa, 1919-20; Associate Professor of English, Wellesley College, 1920-22.

SUE AVIS BLAKE, M.A., *Instructor in Physics.*

A.B., Bryn Mawr College, 1898, and M.A., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15, Bryn Mawr College, 1918-19.

MARJORIE LORNE FRANKLIN, M.A., *Instructor in Economics and Politics.*

A.B., Barnard College, 1913, and M.A., Columbia University, 1916. Graduate Scholar, Bryn Mawr College, 1913-14, and Fellow in Economics, 1914-15; Columbia University, 1915-16; Library Assistant, American Telephone and Telegraph Co., 1916-17; Instructor in Political Science, Vassar College, 1917-18.

KATHARINE FORBES LIDDELL, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1910. Teacher of English and Athletics in Lucy Cobb Institute, Athens, Ga., 1910-12; Instructor in English, Miss Madeira's School, Washington, D. C., 1912-14; Graduate Student, University of Oxford, 1914-15; Instructor in English Composition, Wellesley College, 1915-20.

GLADYS BOONE, M.A., *Instructor in Social Economy and Social Research.*

Stoke-on-Trent, England. B.A., University of Birmingham, 1916, and M.A., 1917. Teacher of young employees, especially in connection with the Cadbury Chocolate Factories, and tutor in Economic History in Workers' Educational Association, Birmingham, 1917-19; Holder of Rose Sidgwick Memorial Fellowship at Columbia University, 1919-20.

AMPHILIS T. MIDDLEMORE, B.A., *Instructor in English Composition.*

Worcester, England. University of Oxford, Final Honour School in English Language and Literature, 1916. English Teacher, Worcester Secondary School for Girls, 1918-20.

CHRISTINE SARAUF, Ph.D., *Instructor in Italian, Spanish and German.*

M.A., Columbia University, 1910, and Ph.D., University of Jena, 1915. Student in the Universities of Paris, Jena and Zurich; Studied in Italy and Spain. Teacher in Pre-

* Substitute for Professor Florence Bascom, Professor of Geology.

† Substitute for Professor Lucy Martin Donnelly, Professor of English Literature.

paratory Schools, 1902-06, 1910-13; Instructor in Spanish, Italian, and French, Vassar College, 1906-08, and in German, 1916-17; Instructor in German and Spanish, Bryn Mawr College, 1917-18.

MARTHE JEANNE TROTAI, *Instructor in French.*

Paris, France. Certificat d'aptitude à l'enseignement d'Anglais dans les Lycées et Collèges, 1918. Student in the Sorbonne, 1916-18; Teacher in Schools in England, 1913-14, 1915-16; French Graduate Scholar, Bryn Mawr College, 1918-20; Teacher of French in the Phebe Anna Thorne School, 1920-21.

GEORGE ROWLEY, A.B., *Instructor in Modern Art.*

A.B., University of Pennsylvania, 1913. Law School, University of Pennsylvania, 1913-15; Instructor in English, University of Pennsylvania, 1915-17; Military Service, 1917-19; Graduate Student in Aesthetics and Archaeology, 1919, and Fellow in Fine Arts, 1919-20; Columbia Summer School, 1919; Fellow in Fine Arts, Princeton University, 1920-21.

MARY UNDERHILL, M.A., *Instructor in English Composition.*

A.B., Radcliffe College, 1914, and M.A., 1921. Teacher in St. Helen's Hall, Portland, Ore., 1914-16; Miss Marot's School, Thompson, Conn., 1916-18; Instructor in English Composition, Wellesley College, 1918-20.

HELENE BUHLERT BULLOCK, M.A., *Instructor (elect) in English Composition.*

A.B., Wellesley College, 1903, and M.A., Radcliffe College, 1915. Instructor in Rhetoric and Composition, Wellesley College, 1915-17 and 1919-22; Associate Head of the Merrill School, 1917-19.

MARGUERITE CAPEN HEARSEY, A.B., *Instructor (elect) in English Composition.*

A.B., Hollins College, 1914, and M.A., Radcliffe College, 1923. Student, Columbia University, Summer, 1915; Harvard University, 1922. Instructor in English and French, Georgetown College, 1915-17.

EDITH HAMILTON LANMAN, M.A., *Instructor (elect) in Chemistry.*

A.B., Radcliffe College, 1914; M.A., University of California, 1915. Graduate Student, University of California, 1914-15; Demonstrator in Chemistry, Bryn Mawr College, 1915-18, Instructor in Chemistry, 1918-19, and Graduate Student, 1916-17.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1812. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899.

MARIAN CLEMENTINE KLEPS, A.B., *Reader in Mathematics.*

A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916. Assistant to the Recording Secretary, 1916-17; Reader in Mathematics, 1917-18; Assistant to the Secretary and Registrar, 1918-21.

MARGARET KINGSLAND HASKELL, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1916; Graduate Student, University of Chicago, 1917. American Red Cross Civilian Relief Worker, 1918-19.

ZORA SCHAUPP, M.A., *Reader in Philosophy and Psychology.*

A.B., University of Nebraska, 1919, and M.A., 1921. Assistant in Laboratory Work and Quiz Sections, University of Nebraska, 1919-21.

MARY L. MORSE, M.S., *Demonstrator in Chemistry.*

B.S., University of Michigan, 1919, and M. S., 1920.

MARGARET WIESMAN, A.B., *Assistant Demonstrator in Applied Psychology.*

A.B., Bryn Mawr College, 1921.

THELMA WILLIAMS KLEINAU, A.B., *Assistant Demonstrator in Experimental Psychology.*

A.B., Bryn Mawr College, 1921.

HELEN MARGARET INGRAHAM, M.S., *Demonstrator in Biology.*

B.S., Knox College, 1918, M.S., University of Chicago, 1921. Teacher in Lewistown, Ill., 1918-20.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-12.

MARY LOUISE TERRIEN, A.B., *Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

MARY ISABELLE O'SULLIVAN, A.B., *Head Cataloguer.*

A.B., Bryn Mawr College, 1907; New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, Philadelphia, 1909-15; Cataloguer, New York Public Library, 1916-17; Scholar in English Composition, Bryn Mawr College, 1917-18.

MAY MORRIS, Ph.B., *Assistant to the Circulation and Reference Librarian.*

Ph.B., Dickinson College, 1909. Pratt Institute School of Library Science, 1917.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

CONSTANCE M. K. APPLEBEE, *Director of Physical Training and Supervisor of Health.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

CONSTANCE ELEANOR DOWD, A.B., *Assistant Director of Physical Training.*

A.B., Bryn Mawr College, 1916. Secretary to Attending Surgeon, Roosevelt Hospital, 1917-18; Clerk, Ordnance Bureau, War Department, 1918-19.

HALLS OF RESIDENCE.

ALYS SMITH RUSSELL, A.B., *Head Warden and Warden of Pembroke Hall East.*

A.B., Bryn Mawr College, 1890. Volunteer Social and Political Worker.

FRIEDRIKA MARGARETHE HEYL, A.B., *Warden of Radnor Hall and Assistant in the Bureau of Recommendations.*

A.B., Bryn Mawr College, 1899. Teacher of German and Student, State Normal School, Fredonia, N. Y., 1899-1900; Teacher in the Balliol School, Utica, N. Y., 1900-01, and Secretary, 1901-08; Warden of Merion Hall, Bryn Mawr College, 1908-10; Assistant to the Dean of Women, Michigan Agricultural College, 1916-18; Secretary to the Adviser of Women, Cornell University, 1918-20.

MARY SUMMERFIELD GARDINER, A.B., *Warden of Denbigh Hall and Assistant Adviser of Students.*

A.B., Bryn Mawr College, 1918. Information Secretary, Y. W. C. A. Hostess House, Camp Mills, Long Island, 1918-19; Secretary and Social Worker, Henry Street Settlement, New York City, 1920-21.

AGNES DOROTHY SHIPLEY, M.A., *Warden of Pembroke Hall West and Assistant Adviser of Students.*

A.B., Bryn Mawr College, 1917; M.A., Columbia University, 1921. Resident Nurse, Pennsylvania Hospital, 1918-19; Student in Paris, Sorbonne and Collège de France, 1919-20; Graduate Student, Columbia University, 1920-21.

THEODORA BATES, M.A., *Warden of Merion Hall and Assistant to Dean of the College in Health Department.*

A.B., Bryn Mawr College, 1905, and M.A., 1907. Graduate Student, Bryn Mawr College, 1905-06; Teacher of French and German in the Friends' Academy, New Bedford, Mass., 1906-08; Student in Paris, 1908-09; Instructor in the Holton-Arms School,

Washington, D. C., 1910-11; in Miss Madeira's School, Washington, D. C., 1910-12; in the Misses Hebb's School, Wilmington, Del., 1914, 1916-17; in the Shipley School, Bryn Mawr, 1917-18; Red Cross Worker, New York City, 1918-19; Director of Community Work, Riis House, New York City, 1920-21.

HELEN JUANITA BARRETT, A.B., *Warden of Rockefeller Hall and Assistant Adviser of Students.*

A.B., Bryn Mawr College, 1913. Worker in Industrial Department of the Y. W. C. A., Philadelphia, 1913-14; General Secretary, Y. W. C. A. of Meadville, Pa., 1914-15; and of Norristown, Pa., 1915-17; Y. W. C. A. Worker in Munitions Plant, Bloomfield, N. J., 1918-19; Director of Community Centre, Bryn Mawr, 1919-21.

LOUISE FROST HODGES, A.B., *Warden (elect) of Merion Hall.*

A.B., Bryn Mawr College, 1918. Statistical Clerk, U. S. Shipping Board, 1918-19; Secretary, the Holton-Arms School, Washington, D. C., 1921-22.

HEALTH DEPARTMENT.

HILDA WORTHINGTON SMITH, M.A., *Head of Health Department.*

M. CAREY THOMAS, PH.D., LL.D., L.H.D., *Ex-officio.*

CONSTANCE M. K. APPLEBEE, *Health Supervisor.*

THOMAS F. BRANSON, M.D., *Physician-in-Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

MABEL HATTERSLEY PEARSON, M.D., *Assistant Resident Physician.*

London, England. Associate, Royal College of Science, London, 1904. British Graduate Scholar, Bryn Mawr College, 1910-11; Student, Woman's Medical College of Pennsylvania, 1916-20, and M.D., 1920. Interne in College Hospital, Woman's Medical College of Pennsylvania, 1920-21.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician.*

GEORGE E. DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 2000 Spruce Street, Philadelphia, *Consultant Surgeon.*

ARTHUR E. BILLINGS, M.D., 1703 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 302 South 19th Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 South 16th Street, Philadelphia, *Consultant Orthopaedist.*

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE SCHOOL.

MATILDE CASTRO,* Ph.D., *Director*.

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Professor of Education, Bryn Mawr College.

ELSIE GARLAND HOBSON, Ph.D., *Head Mistress*.

A.B., Boston University, 1895, and A. M., 1896; Ph.D., University of Chicago, 1916. Teacher of Greek and English, High School, Lewiston, Me., 1896-97; Teacher of Greek and Latin, Academy for Women, Jacksonville, Ill., 1897-99; Principal in Greek and Latin, Academy for Women, Jacksonville, Ill., 1899-1900; Principal and Teacher of Greek and Latin, Michigan Seminary, Kalamazoo, Mich., 1900-07; Principal and Teacher of Greek and Latin, Frances Shimer Academy, Mt. Carroll, Ill., 1907-13; Teacher of Greek and Latin, Miss Spaid's School, Chicago, Ill., 1913-14; Head of High School Department and Teacher of Mathematics and History, Mary C. Wheeler School, Providence, R. I., 1914-18.

MARY SINCLAIR CRAWFORD, M.A., *Assistant to the Head Mistress and Teacher of French*.

A.B., Wilson College, 1903; M.A., University of Pennsylvania, 1921. Teacher in the Barber Memorial Seminary, Anniston, Ala., 1903-05; and in the Misses Timlow's School, Washington, D. C., 1906; Founder and Co-Principal and Head of French Department, King-Crawford Classical School, Terre Haute, Ind., 1906-16; Dean and Head of French Department, Girtton School, Winnetka, Ill., 1916-18. Executive Secretary, Department of Women in Industry of Pennsylvania Council of National Defense, 1918-19; Community Organizer for War Camp Community Service, 1919; Graduate Student, University of Pennsylvania, 1918-19, 1920-22, Bryn Mawr College, 1920-22. Instructor in French, Bryn Mawr College, 1919-21.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading*.

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

MABEL PAULINE WOLFF, M.A., *Teacher of History*.

A.B., Barnard College, 1905, and M.A., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06, Allentown College for Women, 1906-07, Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Washington, Pa., 1911-14, and Leominster High School, Leominster, Mass, 1915-16.

ALICE RUTH PARKER, M.A., *Teacher of Greek and Latin*.

A.B., Mount Holyoke College, 1913, and M.A., 1915. Reader in Latin, Mount Holyoke College, 1913-15; Teacher of Latin, High School, Hudson, N. Y., 1915-17; Teacher of Latin, Cortland Normal School, Cortland, N. Y., 1917-18.

RIDIE J. GUION, A.M., *Teacher of English*.

A.B., Wellesley College, 1911; M.A., Columbia University, 1917. Teacher of English, Graham Hall, Minneapolis, Minn., 1912-15; Miss Fine's School, Princeton, N. J., 1915-17.

ELIZABETH RIDER MERRITT, R.S., *Teacher of Painting, Drawing and Modeling, and Crafts*.

B.S., Teachers College, Columbia University, 1918. Teacher of Fine Arts, Horace Mann School, Teachers College, New York City, 1918-19.

N. ELENA COLLINGE, M.A., *Teacher of Primary Department*.

B.S., Teachers College, Columbia University, 1909. M.A., University of Pennsylvania, 1921. Graduate Student, Columbia University, Summer School, 1919, 1921; Supervisor of Kindergarten Education, New York State Normal School, 1909-11; Lecture Course, Madame Montessori, 1916. Business Training Course, Boston University, 1918-19.

* Granted leave of absence for the year 1921-22.

MARCELIA WAGNER, A.B., *Teacher of Elementary Mathematics and Beginning Science.*

A.B., Wellesley College, 1917. Laboratory Assistant in Botany, Wellesley College, 1917-18; Instructor in Botany, Sweet Briar College, 1918-20.

KATE DUVAL PITTS, A.B., *Teacher of French.*

A.B., Bryn Mawr College, 1903. Teacher in Miss Wright's School, Bryn Mawr, and Tutor, 1903-05, 1906-07, 1919-20; Student, University of Grenoble, 1905-06; Instructor in English, Simmons College, Boston, Mass., 1907-08.

EDNA M. ROBBINS, A.B., *Teacher of Mathematics and Science.*

A.B., Smith College, 1911. Teacher in the High School, Bethel, Conn., 1911-13, in Canton School, Northampton, Mass., 1913-18, and in the High School, Westerly, R. I., 1918-20.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurhythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Geneva, Switzerland, and only authorized Director of the Dalcroze System in the United States.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906. Director of Gymnastics and Athletics, Bryn Mawr College.

ADA HART ARLITT, PH.D., *Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College, Tulane University, 1913; Ph.D., University of Chicago, 1917; Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14, and Fellow in Psychology, University of Chicago, 1914-16; Associate in Educational Psychology, Bryn Mawr College.

MABEL HATTERSLEY PEARSON, M.D., *Physician of the School.*

London, England. Associate, Royal College of Science, London, 1904; M.D., Woman's Medical College of Pennsylvania, 1920; Interne in College Hospital, Woman's Medical College of Pennsylvania, 1920-21.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893. Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97; Examining Oculist of Bryn Mawr College.

DEPARTMENT OF BUSINESS ADMINISTRATION.

JOHN J. FOLEY, *Superintendent.*

MINNIE RATCLIFFE, *Supervisor of Housekeeping.*

LAURA HOWARD, *Chief Clerk.*

PAUL ROSTEL, *Supervisor of Culinary Department.*

FIRE DEPARTMENT.

WINFIELD DAUGHERTY, *Fire Chief.*

SAMUEL TITLOW, *First Assistant.*

JOSEPH GRAHAM, *Second Assistant.*

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

CALIFORNIA:

BERKELEY: MRS. COLIS MITCHUM, *Care of Mitchum, Tully & Co., National Bank Building, San Francisco.*

LOS ANGELES: MRS. LELAND JAMES FOGG, *460 West 14th Street, Long Beach.*

ROSS: MRS. CHARLES PRICE DEEMS, *St. John's Rectory.*

COLORADO:

DENVER: MRS. HENRY SWAN, *740 Emerson Street.*

CONNECTICUT:

FARMINGTON: MRS. HERBERT KNOX SMITH.

NEW HAVEN: MRS. CHARLES McLEAN ANDREWS, *424 St. Ronan Street.*

DISTRICT OF COLUMBIA:

WASHINGTON: BARONESS SERGE ALEXANDER KORFF, *1021 15th Street.*

ILLINOIS:

CHICAGO: MRS. JAMES FOSTER PORTER, *1085 Sheridan Road, Hubbard Woods.*

MRS. MORIS LEIDY JOHNSTON, *1636 Prairie Avenue.*

INDIANA:

INDIANAPOLIS: MRS. FRANK NICHOLS LEWIS, *3221 North Pennsylvania Street.*

MARYLAND:

BALTIMORE: MRS. ANTHONY MORRIS CAREY, *1004 Cathedral Street.*

MASSACHUSETTS:

BOSTON: MRS. INGERSOLL BOWDITCH, *32 Woodland Road, Jamica Plain.*

CAMBRIDGE: MRS. ROBERT WALCOTT, *152 Brattle Street.*

FALL RIVER: MRS. RANDALL NELSON DUFEE, *19 Highland Avenue.*

MINNESOTA:

MINNEAPOLIS: MRS. HAROLD OLNEY HUNT, *2318 First Avenue South.*

MISSOURI:

KANSAS CITY: MRS. CLARENCE MORGAN HARDENBERGH, *3710 Warwick Boulevard.*

ST. LOUIS: MRS. GEORGE GELLHORN, *4366 McPherson Avenue.*

NEW YORK:

NEW YORK CITY: MRS. LEARNED HAND, *142 East 65th Street.*

UTICA: MRS. ARTHUR PERCY SAUNDERS, *Clinton.*

OHIO:

CINCINNATI: MISS ELIZABETH BALDWIN SMITH, *1805 Madison Avenue.*

CLEVELAND: MISS ALICE PEIRSON GANNETT, *1420 East 31st Street.*

OREGON:

PORTLAND: MRS. HENRY MINOR ESTERLY, *Inwood, Hewett Boulevard, Hillsdale.*

PENNSYLVANIA:

PITTSBURGH: MRS. ALEXANDER JOHNSTON BARRON, *Glen Osborne, Sewickley.*

PITTSBURGH: MRS. CAROLL MILLER, *4 Von Lent Place.*

VIRGINIA:

RICHMOND: MRS. WYNDHAM BOLLING BLANTON, *1106 West Grace Street.*

UTAH:

SALT LAKE CITY: MISS KATE WILLIAMS, *177 13th East Street.*

WISCONSIN:

MADISON: MRS. MOSES STEPHEN SLAUGHTER, *633 Francis Street.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *11 St. Leonard's Terrace, Chelsea, London.*

STUDENTS.

Fellows, Scholars, and Graduate Students for the Year 1921-22.

- BOSWELL, ELEANORE,
Bryn Mawr European Fellow and Shippen Foreign Scholar.
Philadelphia. A.B., Bryn Mawr College, 1921. Trustees' Philadelphia Girls' High School Scholar, 1917-21; Charles S. Hinchman Memorial Scholar, 1920-21; Graduate Student, Bedford College, University of London, 1921-22.
- LEHR, ANNA MARGUERITE MARIE, *President's European Fellow.**
Baltimore. A.B., Goucher College, 1919. Reader and Graduate Student in Mathematics, Bryn Mawr College, 1919-21.
- MARTIN, AMY LAWRENCE, *Mary Elizabeth Garrett European Fellow.*
Chicago, Ill. A.B., Bryn Mawr College, 1915; Columbia University, 1916. Teacher of Economics and History, Riverhook, Nyack, N. Y., 1916-19; Fellow in Economics and Politics, Bryn Mawr College, 1919-21; Graduate Student, London School of Economics, 1921-22.
- GABEL, LEONA CHRISTINE, *Bryn Mawr Travelling Fellow.*
Syracuse, N. Y. A.B., Syracuse University, 1915. Columbia University, Summer Session, 1916. Teacher in the High School, Canastota, N. Y., 1915-17. Graduate Scholar in History, Bryn Mawr College, 1917-18, and Fellow in History, 1918-19. Teacher of History in the Shipley School, Bryn Mawr, and Student and Fellow by Courtesy in History, Bryn Mawr College, 1919-21.
- DUNN, ESTHER CLOUDMAN, *Bryn Mawr Travelling Fellow.*
Portland, Me. A.B., Cornell University, 1913. Lecturer in English, Maine State Summer School, 1914. Graduate Student in English, Bryn Mawr College, 1915-17; appointed Fellow in English, 1917-18; Instructor in English Composition, 1917-19, 1920-21 and Acting Director of the Work in First and Second Year English Composition, 1917-19; Graduate Student, Bedford College and University of London, 1919-20, 1921-22.
- BRYNE, EVA ALICE WORRALL, *Bryn Mawr Travelling Fellow.*
Philadelphia. A.B., Bryn Mawr College, 1916, and M.A., 1917. Graduate Scholar, Bryn Mawr College, 1916-17; Reader in English Literature and Graduate Student, Bryn Mawr College, 1917-19; Teacher of English, Bryn Mawr School, Baltimore, 1919-21; Graduate Student, Johns Hopkins University, 1919-21; Research Work in English, British Museum, London, 1921-22.
- RIGGS, GLADYS EVELYN, *Fellow in Latin.*
Cando, N. Dak. A.B., University of Wisconsin, 1920. Graduate Student, University of Wisconsin, 1920-21.
- SCUDDER, NITA EMELINE, *Fellow in English.*
Oxford, Ohio. B.S., Miami University, 1920. Graduate Scholar in English, 1920-21.
- GILMAN, MARGARET, *Fellow in French.*
Wellesley, Mass. A.B., Bryn Mawr College, 1919, and M.A., 1920. Graduate Scholar in French, 1919-20.
- DIELMANN, RETA HAZEL, *Fellow in History.*
Winfield, Kans. A.B., University of Kansas, 1917, and M.A., 1920. Instructor in History in the High School, Pratt, Kans., 1917-19, and in the Kansas State Agricultural College, Manhattan, Kans., 1920-21; Graduate Student, University of Kansas, 1919-20.
- MILLARD, MAUDE LOVELL, *Fellow in Economics and Politics.*
San Francisco, Calif. A.B., University of California, 1920, and M.A., 1921. Teacher in the Girls' Classical School, Boston, Mass., 1901-02, in Bishop's School, La Jolla, Calif., 1917-18; Teacher in Drier's Coaching School, San Francisco, 1920.
- MEREDITH, LOIS ANGELENA, *Fellow in Social Economy and Social Research.*
Minneapolis, Minn. A.B., Grinnell College, 1919. Teacher, Nashua, Ia., 1919-20; Robert G. Valentine Scholar in Social Economy, 1920-21.

* Fellowship deferred.

- GALSTER, AUGUSTA EMILE**, *Grace H. Dodge Fellow in Industrial Relations*.
Tower Hill, Ill. A.B., University of Illinois, 1918, and M.A., 1920. Grade Teacher in Schools, 1905-17; Research Assistant to President David Kinley, 1918-20; Graduate Student, University of Illinois, 1918-20; Instructor in Economics, University of Illinois, 1920-21.
- NICOLSON, MARGARET ERSKINE**, *Fellow in Philosophy*.
Oradell, N. J. A.B., Barnard College, 1920; M.A., Bryn Mawr College, 1921. Graduate Scholar in Philosophy, 1920-21.
- STUTSMAN, RACHEL**, *Fellow in Psychology*.
Detroit, Mich. A.B. University of Missouri, 1919. Graduate Student, University of Chicago, 1917-18; Statistician, Kansas City, Mo., Provident Association, 1916-17; and Visitor (Charity), 1919-20.
- NELSON, GRACE WANDELL**, *Fellow in Classical Archaeology*.
Philadelphia. A.B., Wellesley College, 1917, and M.A., 1920. Graduate Student, Wellesley College, 1917-18; Graduate Scholar in Classical Archaeology, Bryn Mawr College, 1918-19, and Fellow in Classical Archaeology, 1920-21.
- FRANKLIN, ALICE DARC**, *Fellow in History of Art*.
New York City. A.B., Barnard College, 1916. Graduate Scholar in History of Art, Bryn Mawr College, 1916-18; Columbia University School of Architecture, 1918-19; Instructor in Art and Archaeology, Wells College, 1919-21.
- LEHR, ANNA MARGUERITE MARIE**, *Fellow in Mathematics*.
Baltimore, Md. A.B., Goucher College, 1919. Reader and Graduate Student in Mathematics, Bryn Mawr College, 1919-21.
- GUTHRIE, MARY JANE**, *Fellow in Biology*.
Columbia, Mo. A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoology, University of Missouri, 1916-18; Honorary Scholar and Assistant Demonstrator in Biology, Bryn Mawr College, and Demonstrator, 1919-21.
- GOLDSTEIN***, **HELEN FRANCES**,
Helen Schaeffer Huff Memorial Research Fellow in Chemistry.
New York City. B.S., Barnard College, 1918. Graduate Scholar in Chemistry, Bryn Mawr College, 1918-19, and Fellow in Chemistry, 1919-21.
- BARNICLE, MARY ELIZABETH**,
Fellow by Courtesy and Graduate Scholar in English.
Providence, R. I. A.B., Brown University, 1913. Teacher in Evening School, Providence, 1910-11; Graduate Scholar in English, Bryn Mawr College, 1913-15, 1916-17; Fellow in English, 1915-16, and Fellow by Courtesy in English, 1916-17; Instructor in English, Connecticut College for Women, 1917-20, and in the University of Minnesota, 1920-21.
- BUCHANAN, MARGARET**, *Fellow by Courtesy in Mathematics*.
Pittsburgh, Pa. A.B., University of West Virginia, 1906. Graduate Student, University of West Virginia, 1907. Teacher of Mathematics, Marshall College, Huntington, W. Va., 1906-07; Assistant in Greek and Mathematics, University of West Virginia, 1908-09, and Instructor in Mathematics, 1910-12, 1915-18; Graduate Student in Mathematics, Bryn Mawr College, 1912-14; Fellow in Mathematics, 1918-19; Teacher of Mathematics, Baldwin School, Bryn Mawr, 1913-14; and in the High School, Parkersburg, W. Va., 1914-15; President's European Fellow and Graduate Scholar in Mathematics, Bryn Mawr College, 1919-20; Student in University of Paris, 1920-21.
- COBB, MARGARET CAMERON**,
Fellow by Courtesy and Graduate Scholar in Geology.
Portsmouth, Va. A.B., North Carolina Normal College, 1912; A.B., Barnard College, 1915. Teacher in the Public Schools, Norfolk, Va., 1912-14; Student, Barnard College, 1914-15; Columbia University, 1915-16; Fellow in Geology, Bryn Mawr College, 1916-17, 1919-20; Fellow by Courtesy and Graduate Scholar in Geology, 1920-21; Instructor in Geology, Mount Holyoke College, 1917-19.
- FLATHER, MARY DRUSILLA**, *Fellow by Courtesy in Biology*.
Lowell, Mass. Ph.B., Women's College in Brown University, 1917. Laboratory Assistant in Comparative Anatomy, Brown University, 1916-17; Graduate Student in Biology, Bryn Mawr College, 1917-18; Fellow in Biology, 1918-19; Instructor in Zoology, Mount Holyoke College, 1919—; On leave of absence and Student in Paris as Mary Elizabeth Garrett European Fellow, 1920-21.

*Mrs Harold Rafsky,

- SMITH, ISABEL F., *Fellow by Courtesy in Geology.*
 Los Angeles, Calif. A.B., Bryn Mawr College, 1915, and M.A., 1919. Teacher in Miss Wheeler's School, Providence, R. I., 1915-17; Graduate Scholar in Geology, and Assistant Warden of Pembroke Hall, 1917-18, 1919-20; Fellow in Geology, Bryn Mawr College, 1918-19; Student in Paris as President's European Fellow, 1920-21.
- WOOD, HELEN FRANCES, *Graduate Scholar and Fellow by Courtesy in Latin.*
 South Hadley Falls, Mass. A.B., Mount Holyoke College, 1918, and A.M., 1920. Graduate Scholar in Latin, Bryn Mawr College, 1919-20.
- KELLY, THERESE KATHLEEN, *British Scholar.*
 Blackrock, Co. Dublin, Ireland. B.A. with Honours in Modern Languages, National University of Ireland, 1916; M.A., Bryn Mawr College, 1921. Examiner of Income Tax Claims, H. M. Civil Service and Examiner and Assessor of Deeds for Stamp Duties, Four Courts, Dublin, 1916-20; British Scholar, Bryn Mawr College, 1920-21.
- ROBBINS, RHODA, *British Scholar.*
 London, England. B.Sc., Liverpool University, 1913; Hons. B.Sc., First Class, 1913, and M.Sc., 1914. Lecturer in Science, Bingley Training College for Women, 1914-15; Assistant Inspector of Schools to Liverpool Education Authorities, 1915-18; Lecturer in Biological Sciences and Advanced Botany, Home and Colonial College, London, 1918—.
- WILDE, CONSTANCE ELIZABETH MARY, *British Scholar.*
 Uppermill, Yorkshire, England. B.Com., Victoria University of Manchester, 1919, and M.Com., 1920. Lecturer in Commerce Department, Huddersfield Technical College, 1919-21.
- GALLAND, JEANNE MARIE, *French Scholar.*
 Mazamet, France. Licenciée-ès-lettres "mention Anglais," 1920. Diplôme de fin d'Études secondaires, 1917. Student, Collège d'Albi, 1912-18; University of Montpellier, 1918-20; French Scholar, Bryn Mawr College, 1920-21.
- GUIGNON, GERMAINE, *French Scholar.*
 Saint-Julien-du-Sault, Yonne, France. Brevet Supérieure et Diplôme de fin d'Études, Collège Sévigné, Paris, 1913, 1914; The Sorbonne, 1915-17; St. Hugh's Hall, Oxford, England, 1917-18; The Sorbonne, 1918-19. Certificat d'aptitude à l'enseignement d'Anglais, 1917.
- BORRESEN, MARGIT ANDREA SAHLGAARD, *Scandinavian Scholar.*
 Christiania, Norway. Student, University of Christiania, 1914-18; *Can. Mag.*, 1918; Teacher in High School for Girls, Trondhjem, 1903-10; in the Communal High School, Fredrikstad, 1910-14; in the Communal High School, Christiania, 1914-19; Lektor at Christiania Communal School and College, 1919-21.
- CAÑOMERAS, MARIA LUISA, *Spanish Scholar.*
 Barcelona, Spain. University of Barcelona, 1910-20; *Licenciado en Farmacia*, 1920. Graduate Student, Pepper Laboratory, University of Pennsylvania, 1921-22.
- TAPIA, MARIA LORETA ROBSON, *Spanish Scholar.*
 Madrid, Spain. Instituto de San Isidro, 1913-16; Medical Student, University of Madrid, 1918-21; Graduate Student, University of Pennsylvania, 1921-22.
- ALBERTSON, ALICE OWEN, *Biology.*
 Philadelphia. A.B., Bryn Mawr College, 1902. Graduate Student, University of Munich, 1910. Teacher in the Friends' Select School, Philadelphia, 1902-11, 1916-19; Teacher in Miss Cruice's School, 1911-15; Curator, Nantucket Maria Mitchell Association, 1914—.
- ANDRÉ, LOUISE MARIE, *Psychology.*
 Blois, France. Student, University of Poitiers, 1914-16; *Licence ès Lettres*, 1916; Teacher in the Lycée de Guéret, France, 1916-18; in the High School, Rockford, Ill., 1919-21; in the Shipley School, Bryn Mawr, 1921—.
- BARRETT, HELEN JUANITA, *Italian and Education.*
 A.B., Bryn Mawr College, 1913. Worker in Industrial Department of the Y. W. C. A., Philadelphia, 1913-14; General Secretary, Y. W. C. A., Meadville, Pa., 1914-15; General Secretary of the Y. W. C. A., Norristown, 1915-17; Y. W. C. A. Worker in Munitions Plant, Bloomfield, N. J., 1918—; Director of Community Centre, Bryn Mawr, Pa., 1919-21; Warden of Rockefeller Hall, 1921-22.

- BATES, THEODORA HASTINGS, *Social Economy and History of Art.*
A.B., Bryn Mawr College, 1905, and M.A., 1907. Graduate Student, Bryn Mawr College, 1905-06; Teacher of French and German in the Friends' Academy, New Bedford, Mass., 1906-08; Student in Paris, 1908-09; Instructor in English, History and Gymnastics in the Holton-Arms School, Washington, D. C., 1910-11; Teacher of French in Miss Madeira's School, Washington, 1910-12; Teacher of English in the Misses Hebb's School, Wilmington, Del., 1914, 1916-17, and in the Shipley School, Bryn Mawr, 1917-18; Red Cross Worker, New York City, 1918-20; Warden of Merion Hall, 1921-22.
- BEARDWOOD, ALICE, *History.*
Philadelphia. A.B., Bryn Mawr College, 1917. Teacher of Latin and Mathematics, Flagler School, Jacksonville, Fla., 1918-19, Southfield Point School, Stamford, Conn., 1919-20, and Academic Head and Teacher of History, Devon Manor, Devon, Pa., 1920—.
- BEATTY, * ELSIE MARGARET FLEMING, *English and History.*
Philadelphia. A.B., Monmouth College, 1919. Teacher of English and Principal of the High School, Barneston, Neb., 1919-21.
- BECK, MARGARET MILNE, *English.*
New York City. A.B., Vassar College, 1919, and M.A., Columbia University, 1921. Teacher in the Baldwin School, Bryn Mawr, 1921—.
- BERTCH, DOROTHY MAXWELL, *Graduate Scholar in Social Economy.*
Liberty, Ind. A.B., Miami University, 1921.
- BORN, THERESE MATHILDE, *English.*
Indianapolis, Ind. A.B., Bryn Mawr College, 1918. Graduate Scholar in English, Bryn Mawr College, 1918-19; and Fellow in English, 1919-20; Mary E. Garrett European Fellow and Student in London, 1920-21.
- BROWN, VERA LEE, *History.*
Centreville, New Brunswick, Canada. B.A., McGill University, 1912, and M.A., 1913. Graduate Scholar in History, Bryn Mawr College, 1913-14; President's European Fellow, 1914-15; Graduate Scholar and Fellow by Courtesy in History, 1914-15; Assistant to Professor of History, McGill University, 1912-13, Assistant to the Warden of Pembroke Hall, March to June, 1916; Sessional Lecturer, Department of History, McGill University, 1916-20; Private Research Work at Public Record Office and British Museum, London, 1920-21.
- CARPENTER, † ELEANOR HOUSTON HILL, *Greek and Music.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1916. Administrative Assistant, Ordnance Department, Washington, 1918-19.
- CAUGHEY, MARY LAPSLEY, *Graduate Scholar in English.*
Sewickley, Pa. A.B., Vassar College, 1921.
- CERS, EDNA, . . . *Susan B. Anthony Scholar in Social Economy and Politics.*
Cambridge, Mass. A.B., Radcliffe College, 1921.
- CHADWICK COLLINS, ‡ CAROLINE MORROW, *English and Law.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1905.
- CHALKLEY, LYSSA DESHA, *Red Cross Scholar.*
Lexington, Ky. Ph.B., University of Chicago, 1920. Teacher in the Public Schools, Lexington, 1920-21.
- CLARK, ELEANOR GRACE, *English.*
Portland, Ore. A.B., Oberlin College, 1918, and M.A., 1919. Teacher of English in St. Helen's Hall, Portland, O., 1918-20.
- CLARK, ELIZABETH MORRIS, *French and German.*
Brooklyn, N. Y. Special Student, Bryn Mawr College, 1891-92; LL.A. with Honours, University of St. Andrews; Student at the Universities of Zurich, Leipsic, and Geneva. 1892-94; Lecturer in English and History, Huguenot College, South Africa, 1900-02, and Professor of English and German, 1904-06; Travelling Secretary, Y. W. C. A., 1908-09; Secretary in Switzerland in World's Christian Student Federation, 1909-15, and War Relief Worker, 1914-20.

* Mrs. John M. Beatty.

† Mrs. Rhys Carpenter.

‡ Mrs. J. C. Chadwick Collins.

- COOPER, ELIZABETH MORGAN, *Mathematics.*
Syracuse, N. Y. A.B., Radcliffe College, 1913. Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1913—.
- CRAIGMILE, MARY DELIGHT, *Graduate Scholar in Mathematics.*
Knox, Ind. A.B., University of Illinois, 1918. Teacher of Mathematics in the High School, Champaign, Ill., 1918–20; Graduate Scholar in Mathematics, 1920–21.
- CRAWFORD, MARY SINCLAIR, *French.*
Philadelphia. A.B., Wilson College, 1903; M.A., University of Pennsylvania, 1921. Teacher in the Barber Memorial Seminary, Anniston, Ala., 1903–05; and in the Misses Timlow's School, Washington, D. C., 1906; Founder and Co-Principal and Head of French Department, King-Crawford Classical School, Terre Haute, Ind., 1906–16; Dean and Head of French Department, Girtton School, Winnetka, Ill., 1916–18; Executive Secretary, Department of Women in Industry of Pennsylvania Council of National Defense, 1918–19; Community Organizer for War Camp Community Service, 1919; Graduate Student, University of Pennsylvania, 1918–19, 1920–22; Instructor in French, Bryn Mawr College, 1919–21; Assistant to the Head Mistress, Phebe Anna Thorne School, and Teacher of French, 1921–22.
- DONG, NYOK ZOE, *Graduate Scholar in Social Economy.*
Shanghai, China. Ginling College, 1916–18. A.B., Smith College, 1920. Scholar of the Chinese Educational Mission, 1920—; Graduate Scholar in Social Economy, Bryn Mawr College, 1920–21.
- DOWD, CONSTANCE ELEANOR, *Education.*
New York City. A.B., Bryn Mawr College, 1916. Clerk, Ordnance Bureau, War Department, 1918–19; Assistant to Director of Athletics and Gymnastics, Bryn Mawr College, 1919—, and Graduate Student, 1919—.
- EARLY, NINA LOUISE, *Graduate Scholar in History.*
Nashville, Tenn. B.S., Vanderbilt University, 1914, and M.S., 1915. Teacher in the High School, Clarksville, Tenn., 1915–19; Fellow in History, Bryn Mawr College, 1919–21.
- FELTS, JOSEPHINE NOYES,
Robert G. Valentine Scholar in Social Economy and Social Research.
Portland, Ore. A.B., Reed College, 1921.
- GARDINER, MARY SUMMERFIELD, *Italian and Education.*
Brasted Chart, Kent, England. A.B., Bryn Mawr College, 1918. Information Secretary, Y. W. C. A. Hostess House, Camp Mills, L. I., 1918–19; Secretary and Social Worker, Henry Street Settlement, New York City, 1920–21; Warden of Denbigh Hall, Bryn Mawr College, 1921–22.
- GASKILL, HELEN GERTRUDE, *English.*
Bala, Pa. A.B., Swarthmore College, 1918. Student, University of Pennsylvania, 1918–19; Teacher of English, Camp Dix Military Hospital, 1918; Assistant Teacher of English in the Shipley School, Bryn Mawr, 1919–21.
- HASKELL, MARGARET KINGSLAND, *Greek.*
Chicago, Ill. A.B., Bryn Mawr College, 1916. Graduate Student, University of Chicago, 1917; American Red Cross Civilian Relief Work, 1918–19. Reader in English, Bryn Mawr College, 1921–22.
- HAIGH, EMMA M., *Spanish.*
Ardmore, Pa. B.S., Teachers College, Columbia University, 1909, and M.A., University of Pennsylvania, 1911. Teacher of German in the Friends' Central School, Philadelphia, 1901–03, in the Trenton Normal School, Trenton, N. J., 1903–08, in the Girls' High School, Philadelphia, 1909–12, and of German and Spanish in the Girls' High School, West Philadelphia, 1912—.
- HEALEA, MONICA, *Graduate Scholar in Physics.*
New Philadelphia, Ohio. A.B., Bryn Mawr College, 1920. Teacher of Mathematics and Science in the Phebe Anna Thorne School, 1920–21.
- HODSON, FERN, *Earlham College Scholar.*
New Castle, Ind. A.B., Earlham College, 1921.
- HOLLINGER, HELEN ELIZABETH, *Graduate Scholar in Spanish.*
Trenton, N. J. A.B., Vassar College, 1921.

- HUNT,* ELIZABETH PINNEY,.....*Social Economy.*
 Haverford, Pa. A.B., Bryn Mawr College, 1912. Student in Training School, Bureau of Municipal Research, New York City, 1912-13; Legislative Reference Assistant and General Investigator, Office of National Progressive Service, New York City and Boston, 1913-14; Volunteer Social Worker, 1916-17; Graduate Student, Bryn Mawr College, 1918-20; Graduate Student, University of Stockholm, 1920-21.
- HURLOCK, ELIZABETH BERGNER,.....*Psychology and Education.*
 Philadelphia. A.B., Bryn Mawr College, 1919. Teacher in the Manor School, Larchmont Manor, N. Y., 1919-20, and in Springside, Chestnut Hill, Philadelphia, 1920-21.
- INGRAHAM, HELEN,.....*Biology.*
 La Harpe, Ill. B.S., Knox College, 1918; M.S., University of Chicago, 1921. Teacher in the High School, Lewistown, Ill, 1918-20; Graduate Student, University of Chicago, 1920-21.
- JONES, ANNE CUTTING,.....*French.*
 Des Moines, Ia. A.B., Grinnell College, 1918. Teacher in the High School, Cherokee, Ia., 1918-19; Head of Department of Romance Languages, Cottey College, Nevada, Mo., 1919-21.
- KLEINAU,† THELMA WILLIAMS,.....*Psychology.*
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1921. Assistant Demonstrator in Experimental Psychology, 1921-22.
- KLEPS, MARIAN CLEMENTINE,.....*Mathematics.*
 Ardmore, Pa. A.B., Bryn Mawr College, 1916, and Bryn Mawr European Fellow. Assistant to the Recording Secretary, Bryn Mawr College, 1916-17; Reader in Mathematics, 1917-18, 1921-22; Assistant to the Secretary and Registrar, Bryn Mawr College, 1918-21.
- LADD, MARGARET RHOADS,.....*Graduate Scholar in Psychology.*
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1921.
- LITZINGER, MARIE PAULA,.....*Mathematics.*
 Bedford, Pa. A.B., Bryn Mawr College, 1920. James E. Rhoads Sophomore Scholar, 1917-18; First Charles S. Hinchman Memorial Scholar, 1918-19; Maria L. Eastman Brooke Hall Memorial Scholar and Anna M. Powers Memorial Scholar, 1919-20; Bryn Mawr European Fellow and Shippen Foreign Scholar, 1920-21; Teacher in Devon Manor School, Devon, Pa., and Graduate Student in Mathematics, Bryn Mawr College, 1920-22.
- LUBIN, GRACE,.....*Graduate Scholar in Chemistry.*
 Pittsburgh, Pa. A.B., Bryn Mawr College, 1921.
- MICHAELS, MARY LOUISE,.....*English and History.*
 San Francisco, Calif. A.B., University of California, 1921.
- MILNE, MARJORIE JOSEPHINE,.....*Music.*
 Duluth, Minn. A.B., Bryn Mawr College, 1917, and M.A., 1918. Graduate Scholar in Greek, Bryn Mawr College, 1917-18, Fellow in Greek, 1918-19, and Fellow in Latin, 1919-20. Private Tutor, 1920-22.
- MONROE, MARGARET MONTAGUE,.....*Psychology.*
 Asheville, N. C. Barnard College, Columbia University, 1911-13. A.B., Mount Holyoke College, 1915. Scholar in Psychology, Bryn Mawr College, 1916-17, and Fellow in Psychology, 1918-20.
- NOBLE, MARY ANNGENNETTE,.....*Graduate Scholar in Romance Languages.*
 Westfield, Mass. A.B., Bryn Mawr College, 1921.
- NOEL, RACHEL BERTHE IRENE,.....*French.*
 Bryn Mawr, Pa. Lycée Sévigné, 1905-08. Brevet Supérieur, 1908; Certificat d'aptitudes Pédagogiques, 1908. Teacher in Thurston School, Pittsburgh, Pa., Washington Seminary, Washington, Pa., and the Shipley School, Bryn Mawr, Pa.
- NORRIS, HAZEL ESTHER,.....*Penn College Scholar.*
 Oskaloosa, Ia. A.B., Penn College, 1921.

* Mrs. Andrew Dickson Hunt.

† Mrs. Glenn Reichert Kleinau.

- O'SULLIVAN, MARY ISABELLE, *English*.
Philadelphia. A.B., Bryn Mawr College, 1907. New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, 1909-15; Cataloguer, New York Public Library, 1916-17; Graduate Scholar in English Composition, Bryn Mawr College, 1917-18, and Cataloguer, Bryn Mawr College Library, 1918-—.
- PRESTON, ARLINE FEARON, *Graduate Scholar in Philosophy*.
Fallston, Md. A.B., Bryn Mawr College, 1920. Graduate Scholar in Philosophy, 1920-21.
- RHYS, MARY, *English*.
Tarrant-Gunville, Blandford, Dorset, England. M.A., with Honours in English, Glasgow University, 1915. British Scholar, Bryn Mawr College, 1915-16. Graduate Student, Bryn Mawr College, 1916-17; Literary Work in New London, Conn., 1917-18; in Minneapolis, Minn., 1920-21; Teacher in Public Schools, New London, 1917-19; Principal of Ottawa Ladies' College, Ottawa, Canada, 1919-20.
- SCHAUPP, ZORA, *Psychology*.
Lincoln, Neb. A.B., University of Nebraska, 1919, and M.A., 1921.
- SCHOENFELD, MARGARET HERTHA, . . . *Graduate Scholar in Social Economy*.
Washington, D. C. A.B., George Washington University, 1918, and M.A., 1920. Assistant Field Agent, Interdepartmental Social Hygiene Board, January to June, 1921.
- SCHRADER,* SALLY HUGHES, *Biology*.
Bryn Mawr, Pa. Pacific University, 1913-15; B.S., Grinnell College, 1917. Instructor in Zoology, Grinnell College, 1918-19, and Lecturer in Zoology, Barnard College, 1920-21.
- SHACKELFORD, PEMALA HARRISON,
Grace H. Dodge Scholar in Social Economy.
Kansas City, Mo. A.B., University of Missouri, 1921.
- SHELDON, BEULAH, *French*.
Chicago, Ill. A.B., University of Chicago, 1920.
- SHIPLEY, AGNES DOROTHY, *English and French*.
Philadelphia. A.B., Bryn Mawr College, 1917; M.A., Columbia University, 1921. Resident Nurse, Pennsylvania Hospital, 1918-19; Graduate Student, Sorbonne, Paris, 1919; Worker in American Committee for Devastated France, April-October, 1919; Field Secretary, American Committee of International Federation of University Women, February to June, 1921; Warden of Pembroke West, Bryn Mawr College, 1921-22.
- SMILOVITZ, RACHEL LILIAN, . . . *Graduate Scholar in Economics and Politics*.
Quebec, Canada. B.A., University of Toronto, 1921.
- SMITH, GERALDINE FRANCES, *Graduate Scholar in Social Economy*.
Frankfort, Ind. B.S., Purdue University, 1921.
- TENNEY, MARY FRANCES, *Greek, Latin, and German*.
Atlantic City, N. J. A.B., Oberlin College, 1917. Teacher of English and Latin in Ward Academy, Academy, S. Dak., 1917-18; Lindstrom, Minn., 1918-19; St. Helen's Hall, Portland, Ore., 1919-20.
- WALDER, EMMI, *Swiss Industrial Scholar in Social Economy*.
Männendorf, Switzerland. University of Zurich, Summer Semester, 1919; University of Berne, 1919-20.
- WALLACE, ISABEL KING, *Grace H. Dodge Scholar in Social Economy*.
Rochester, N. Y. A.B., University of Rochester, 1916. Factory Experience in Art in Buttons, 1916-18, and Director of Service Department, 1919-21.
- WATSON,† AMEY EATON, *Psychology and Statistics*.
Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 19.0.
- WIESMAN, MARGARET, *Psychology*.
Clinton, Mass. A.B., Bryn Mawr College, 1921. Demonstrator in Applied Psychology, 1921-22.

* Mrs. Franz Schrader.

† Mrs. Frank D. Watson.

- WILLBRAND, IRMA LOUISE, *Graduate Scholar in Romance Languages.*
St. Charles, Mo. A.B., University of Missouri, 1921; B.S. in Education, 1920. Teacher
of French, Stephens College, Columbia, Mo., 1919-20, and in the University of Missouri,
September to December, 1920.
- WILLIAMS, ADA GRISWOLD, *Graduate Scholar in Social Economy.*
Oshkosh, Wis. A.B., University of Wisconsin, 1921.
- WOLFF, MABEL PAULINE, *History.*
Myerstown, Pa. A.B., Barnard College, 1905, and M.A., Columbia University, 1915.
Teacher, Public School, Patton, Pa., 1905-06, Allentown College for Women, 1906-07,
Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Wash-
ington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16.
- WYCKOFF, DOROTHY, *Chemistry and Geology.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1921.

Undergraduate Students, Academic Year, 1921-22.

- ADAMS, MARY, *Group, Chemistry and Biology, 1919-22.*
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich, Conn. New England States
Matriculation Scholar, 1919-20.
- AFFELDER, LOUISE MAY,
Group, Economics and Politics and Psychology, 1919-22.
Pittsburgh, Pa. Prepared by the Peabody High School, Pittsburgh, and by the Schenley
High School, Pittsburgh.
- ALDRICH, SUZANNE KATHERINE,
Group, History and Economics and Politics, 1918-22.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- ALLEN, RUTH, . . . *Group, Economics and Politics and Psychology, 1920-22.*
New Bedford, Mass. Prepared by St. Timothy's School, Catonsville, Md.
- ANDERSON, ALICE KATHARINE SCROGGIN,
Group, French and Spanish, 1920-22.
Lincoln, Ill. Prepared by Kemper Hall, Kenosha, Wis.; by Tudor Hall, Indianapolis, Ind.,
and by the Harcum School, Bryn Mawr, Pa.
- ANDERSON, EMILY TREMAINE,
Group, Economics and Politics and Psychology, 1918-22.
New York City. Prepared by the Brearley School, New York City.
- ANDERSON, MARY GWYN, *Group, English and French, 1920-22.*
Galveston, Tex. Prepared by the City Public Schools, Galveston.
- ANDERSON, SARAH, *Group, ———, 1921-22.*
New York City. Prepared by the Brearley School, New York City, and by the Ethel
Walker School, Simsbury, Conn.
- ANGELL, MARION WATERHOUSE CASWELL,
Group, Latin and ———, 1920-22.
Chicago, Ill. Prepared by University High School, Chicago, and by Miss Hall's School,
Pittsfield, Mass.
- ARCHBALD, SARA THOMPSON, *Group, Mathematics and Chemistry, 1919-22.*
Pottsville, Pa. Prepared by the High School, Pottsville, and by the Shipley School, Bryn
Mawr, Pa.
- ARMSTRONG, ISABEL ALLING, *Group, ———, 1920-22.*
Greenwich, Conn. Prepared by Miss Spence's School, New York City, and by Miss
Masters' School, Dobbs Ferry, New York.
- AUSTIN, ELIZABETH WORRELL,
Group, Economics and Politics and Psychology, 1921-22.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by private tuition.

- BAILEY, ELIZA CLARK, *Group, History and Economics and Politics*, 1920-22.
Harrisburg, Pa. Prepared by the Seiler School, Harrisburg, Pa., and by Abbot Academy, Andover, Mass.
- BAIRD, CORNELIA MARCIA,
Group, History and Economics and Politics, 1918-22.
Yonkers, N. Y. Prepared by the Brearley School, New York City.
- BALDWIN, ELEANOR DE FOREST,.....*Group, ———*, 1921-22.
New York City. Prepared by the Ethel Walker School, Simsbury, Conn., and by Rosemary Hall, Greenwich, Conn.
- BALTZ, ROSEMARY WELLING, *Group, French and History of Art*, 1921-22.
New York City. Prepared by the Phebe Anna Thorne School, Bryn Mawr, Pa., and by Miss Chapin's School, New York City.
- BARBER, ELIZABETH ELLISTON, *Group, History and History of Art*, 1920-22.
New York City. Prepared by Miss Chapin's School, New York City.
- BARBER, LEILA COOK,.....*Group, ———*, 1921-22.
Chicago, Ill. Prepared by the Faulkner School for Girls, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.
- BARNES, HELEN WILSON,*.....*Hearer by Courtesy in Italian*, 1920-22.
Bryn Mawr, Pa.
- BATCHELDER, URSULA CHASE,
Group, History and Economics and Politics, 1918-22.
Faribault, Minn. Prepared by St. Mary's Hall, Faribault.
- BEARDSLEY, RUTH ADELENE,
Group, Economics and Politics and Psychology, 1919-22.
Pittsburgh, Pa. Prepared by the Peabody High School, Pittsburgh, Pa. Maria Hopper Sophomore Scholar, 1920-22.
- BEAUDRIAS, HÉLÈNE,.....*Group, French and History*, 1920-22.
Yonkers, N. Y. Prepared by the Halsted School, Yonkers, and by the Scarborough School, Beechwood, Scarborough-on-Hudson, N. Y.
- BEAUDRIAS, ISABELLE,.....*Group, French and Spanish*, 1919-22.
Yonkers, N. Y. Prepared by the Halsted School, Yonkers.
- BEGGS, FELICE MENUEZ,.....*Group, ———*, 1920-22.
London, England. Prepared by Eastern House, Weston-super-mare, England, and by the Roedean School, Brighton, England.
- BELO, JANE,.....*Group, English and ———*, 1921-22.
New York City. Prepared by Miss Holley's School, Dallas, Tex., and by the Brearley School, New York City.
- BENNETT, ELEANOR CUSTIS,
Group, History and Economics and Politics, 1918-22.
Overbrook, Pa. Prepared by the Agnes Irwin School, Philadelphia.
- BENNETT, LOIS HILTON,.....*Group, French and Italian*, 1919-22.
Brewster, N. Y. Prepared by the Veltin School, New York City, and by the Baldwin School, Bryn Mawr, Pa.
- BENSBERG, JERE HALDEMAN,.....*Group, French and Spanish*, 1920-22.
St. Louis, Mo. Prepared by Mary Institute, St. Louis, Mo., Wisconsin High School, Madison, Wis., Hosmer Hall, St. Louis, Mo., and by Miss Wright's School, Bryn Mawr, Pa.
- BINGEMAN, ALICE RUSSELL,.....*Group, French and History*, 1920-22.
Rochester, N. Y. Prepared by Columbia Preparatory School, Rochester, N. Y., and by private tuition.
- BLACKWELL, KATHARINE JOSEPHINE, *Group, French and History*, 1920-22.
New York City. Prepared by the Brearley School, New York City.

* Mrs. James Barnes.

- BLISS, FRANCES McDOWELL,
Group, History and Economics and Politics, 1918-22.
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BLUMENSTOCK, MADELEINE,
Group, English and Philosophy and Psychology, 1921-22.
 Brooklyn, N. Y. Prepared by the Manual Training High School, Brooklyn.
- BONNELL, MARIANA, *Group, English and ———, 1921-22.*
 Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia,
 and by the Walnut Hill School, Natick, Mass.
- BORDEN, BLANCHE BUTLER, . . . *Group, French and History of Art, 1920-22.*
 Fall River, Mass. Prepared by the Fall River High School, Fall River, Mass., Rosemary
 Hall, Greenwich, Conn., and by the Mary C. Wheeler School, Providence, R. I.
- BOROSS, ALYS, *Group, French and Spanish, 1921-22.*
 Larchmont, N. Y. Prepared by the Larchmont Manor School, Larchmont, N. Y., and
 by the Ethel Walker School, Simsbury, Conn.
- BOROSS, EUGENIA, *Group, ———, 1921-22.*
 Larchmont, N. Y. Prepared by the Larchmont Manor School, Larchmont, N. Y., and by
 the Ethel Walker School, Simsbury, Conn.
- BOWERS, LUCY KATE, *Group, English and Psychology, 1919-22.*
 Nashua, N. H. Prepared by the Lincoln School, Providence, R. I., and by the Misses
 Kirk's School, Bryn Mawr, Pa.
- BOYD, LYSBETH KNICKERBACKER, *Group, ———, 1921-22.*
 Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa., and by the Agnes Irwin
 School, Philadelphia.
- BOYDEN, MARGARET, *Group, ———, 1921-22.*
 Winnetka, Ill. Prepared by the Girtton School, Winnetka, Ill., and by the Ethel Walker
 School, Simsbury, Conn.
- BRADLEY, ELIZABETH WELLS, *Group, ———, 1921-22.*
 Wellsville, N. Y. Prepared by the High School, Wellsville, N. Y., by the Shipley School,
 Bryn Mawr, Pa., and by private tuition.
- BRADLEY, MARIAN SARAH, *Group, Spanish and History, 1919-22.*
 Wellsville, N. Y. Prepared by the High School, Wellsville, N. Y.
- BRAUNS, KATHARINE,
Group, English and Philosophy and Psychology, 1920-22.
 Iron Mountain, Mich. Prepared by Iron Mountain High School, Iron Mountain, Mich.,
 and by the Baldwin School, Bryn Mawr, Pa.
- BIGGS, ELIZABETH HAMILTON, . . *Group, English and Psychology, 1920-22.*
 Riverdale, N. Y. Prepared by the Horace Mann School, New York City, and by the
 Brearley School, New York City.
- BIGGS, FRANCES EDDY, *Group, ———, 1921-22.*
 New York City. Prepared by the Horace Mann School, New York City, and by the
 Brearley School, New York City.
- BROKAW, MARY VIRGINIA,
Group, Economics and Politics and Philosophy and Psychology, 1919-22.
 Bound Brook, N. J. Prepared by the Bound Brook High School, Bound Brook, N. J., by
 Dana Hall, Wellesley, Mass., and by the Baldwin School, Bryn Mawr, Pa.
- BROWN, ETHEL BLAKE, *Group, History and Economics and Politics, 1918-22.*
 New York City. Prepared by Miss Chapin's School, New York City.
- BROWN, MIRIAM GRUBB, *Group, ———, 1921-22.*
 Norristown, Pa. Prepared by the Westtown Boarding School, Westtown, Pa.
- BUCHANAN, MILDRED HEYWOOD, . *Group, Chemistry and Biology, 1920-22.*
 Philadelphia. Prepared by Central High School, Harrisburg, Pa., and by the Roland
 Park Country School, Baltimore, Md.

- BULLEY, LEONORA, . . . *Group, Economics and Politics and ———*, 1921-22.
Syracuse, N. Y. Prepared by the Goodyear Burlingame School, Syracuse, N. Y., and by the Bryn Mawr School, Baltimore, Md.
- BUNCH, LAURA CREASE, *Group, French and History*, 1919-22.
New York City. Prepared by the Holton Arms School, Washington, D. C.
- BURGES, JANE RUST,
Group, Economics and Politics and Psychology, 1918-22.
El Paso, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- BURR, DOROTHY, *Group, Greek and Classical Archæology*, 1919-22.
Philadelphia. Prepared by Miss Hills' School, Philadelphia, and by private tuition. Sheelah Kilroy Memorial Scholar in English and Special Scholar, 1921-22.
- CAMERON, CONSTANCE GUYOT, *Group, French and Spanish*, 1918-22.
Princeton, N. J. Prepared by Miss Fine's School, Princeton. Frances Marion Simpson Scholar, 1918-22; Chicago Bryn Mawr Club Scholar, 1919-20.
- CAREY, SUSAN SHOBER, *Group, ———*, 1921-22.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- CARPENTER, VIRGINIA, *Group, ———*, 1921-22.
Lewes, Del. Prepared by Miss Madeira's School, Washington, D. C., and by the Harcum School, Bryn Mawr, Pa.
- CARR, MARGARET LOUISE, *Group, French and ———*, 1921-22.
Durham, N. C. Prepared by the Shipley School, Bryn Mawr, Pa.
- CARSON, GRACE ALLEN,
Group, Economics and Politics and Psychology, 1919-22.
Ridgewood, N. J. Prepared by the High School, Ridgewood, and by the Mary Lyon School, Swarthmore, Pa.
- CASTLEMAN, MAYO, *Group, ———*, 1922.
Lexington, Ky. Prepared by the Knox School, Tarrytown, N. Y., and by Miss Wright's School, Bryn Mawr, Pa.
- CHESNUT, MARY MACE, *Group, Spanish and ———*, 1919-22.
Baltimore, Md. Prepared by the Roland Park Country School, Baltimore, Md.
- CHESTON, MARY ALICE, *Group, Latin and Mathematics*, 1920-22.
South Orange, N. J. Prepared by the Birmingham School, Birmingham, Pa.
- CHILD, ELIZABETH REYNOLDS, *Group, History and History of Art*, 1919-22.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- CHILDS, FRANCES SERGEANT,
Group, History and Economics and Politics, 1919-22.
New York City. Prepared by Miss Chapin's School, New York City.
- CHISOLM, HELEN SCHIEFFELIN, *Group, ———*, 1921-22.
New York City. Prepared by the Brearley School, New York City.
- CLARKE, BARBARA, *Group, French and History*, 1918-22.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- CLEMENT, AGNES RICHARDSON, *Group, French and Spanish*, 1919-22.
Philadelphia. Prepared by Shady Hill Country Day School, Germantown, and by Spring-side School, Chestnut Hill, Philadelphia.
- COFFIN, LOIS, *Group, Economics and Politics and Psychology*, 1920-22.
Winnetka, Ill. Prepared by the Girtton School, Winnetka, Ill., and by Miss Wright's School, Bryn Mawr, Pa.
- COLEMAN, ISABEL, *Group, Italian and History*, 1918-22.
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the Ethel Walker School, Simsbury, Conn.

- COMER, ELIZABETH MARY,.....*Group, History and*——, 1921-22.
Cynwyd, Pa. Prepared by the Holman School, Philadelphia
- COMPTON, MARGARET STARR,.....*Group, English and French*, 1920-22.
Bellingham, Wash. Prepared by the Fairhaven High School, Bellingham, Wash., and by
Miss Madeira's School, Washington, D. C.
- CONEY, HARRIOT CRISTINA,.....*Group*,——, 1921-22.
Princeton, N. J. Prepared by Miss Fine's School, Princeton, and by the Baldwin School,
Bryn Mawr, Pa.
- CONNELLY, MARGARET,
Group, History and Economics and Politics, 1920-22.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- CONSTANT, BEATRICE TALBOT,.....*Group*,——, 1920-22.
Montclair, N. J. Prepared by the High School, Montclair, and by Wykeham Rise, Wash-
ington, Conn.
- CONSTANT, MARIS SINCLAIR,.....*Group*,——, 1921-22.
New York City. Prepared by the High School, Montclair, N. J., and by Wykeham Rise,
Washington, Conn.
- COOKE, DOROTHEA ALICE, *Group French and History*, 1918-20, 1921-22.
Honolulu, H. T. Prepared by Punahou Academy, Honolulu.
- COOKE, MARTHA LOVE,.....*Group*,——, 1920-22.
Honolulu, T. H. Prepared by Oahu College, Honolulu, and by Rosemary Hall, Green-
wich, Conn.
- COOMBS, JOSEPHINE MARY,.....*Group*,——, 1921-22.
Scarsdale, N. Y. Prepared by the High School, Scarsdale.
- COPE, DOROTHY,.....*Group, Mathematics and Chemistry*, 1920-22.
Redlands, Calif. Prepared by the High School, Redlands.
- CORNISH, HILDA,.....*Group*,——, 1921-22.
Little Rock, Ark. Prepared by the High School, Little Rock, and by Miss Wright's School,
Bryn Mawr, Pa.
- CORSE, VIRGINIA,.....*Group, English and History of Art*, 1919-22.
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis, and by Rosemary Hall,
Greenwich, Conn.
- COYNE, FRANCES PAMELA,.....*Group, English and History of Art*, 1920-22.
Sackets Harbor, N. Y. Prepared by the Phebe Anna Thorpe Model School, Bryn Mawr,
Pa. Special Scholar, 1921-22.
- COX, NANCY LACKLAND,
Group, Economics and Politics and Philosophy and Psychology, 1921-22.
Kansas City, Kans. Prepared by the High School, Kansas City, by the Misses Kirk's
School, Bryn Mawr, Pa., and by private tuition.
- CROSBY, MARGARET,.....*Group, French and History*, 1918-22.
Minneapolis, Minn. Prepared by the Northrop Collegiate School, Minneapolis. Bryn
Mawr Matriculation Scholar for the Western States, 1918-19.
- CROWELL, ELIZABETH EYRE,.....*Group, Physics and Chemistry*, 1920-22.
Philadelphia. Prepared by the West Philadelphia High School for Girls, Philadelphia.
- CUMMINGS, CAROL LUKENS,.....*Group*,——, 1922.
Philadelphia. Prepared by the Friends' Select School, Philadelphia, and by the William
Penn High School for Girls, Philadelphia.
- DAVIES, EMILY O'NEILL,.....*Group, English and History of Art*, 1920-22.
New York City. Prepared by the Brearley School, New York City.
- DEAN, ELIZABETH CRAM,.....*Group*,——, 1921-22.
West Chester, Pa. Prepared by the Shipley School, Bryn Mawr, Pa.

- DESSAU, DOROTHY HELEN, *Group, History and Spanish*, 1918-22.
New York City. Prepared by Miss Luke's School, New York City, and by Miss Howe and Miss Marot's School, Thompson, Conn.
- DODGE, JOSEPHINE JEWELL, *Group, ———*, 1921-22.
New York City. Prepared by Miss Chapin's School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- DOM, ANNA, *Group, Economics and Politics and Psychology*, 1918-22.
Greensburg, Pa. Prepared by the High School, Greensburg, and by the Shipley School, Bryn Mawr, Pa.
- DONOHUE, ELIZABETH HAVILAND, *Group, French and Spanish*, 1918-22.
New Brunswick, N. J. Prepared by the Baldwin School, Bryn Mawr, Pa., and by Dana Hall, Wellesley, Mass.
- DUNBAR, HELEN FLANDERS, . *Group, Mathematics and Chemistry*, 1919-22.
Manchester, Vt. Prepared by the Bishop's School, La Jolla, Calif., by the Brearley School, New York City, and by private tuition.
- DUNHAM, MARGARET, *Group, History and ———*, 1920-22.
Scarsdale, N. Y. Prepared by the Public School, Scarsdale.
- DUNKAK, MARGUERITE LOUIE, *Group, French and ———*, 1920-21.
Butte, Mont. Prepared by the Veltin School for Girls, New York City.
- DUNN, MARGARET EBENIA, . . *Group, History and History of Art*, 1919-22.
Santa Barbara, Calif. Prepared by the Santa Barbara Girls' School, Santa Barbara, and by Miss Ransom and Miss Bridge's School, Piedmont, Calif.
- DUNN, MAY MORRILL, *Group, History and ———*, 1921-22.
Chicago, Ill. Prepared by the French School, Chicago, by the Francis Parker School, Chicago, by private tuition, and by the Ethel Walker School, Simsbury, Conn.
- DUNN, WILHELMINE, *Group, ———*, 1921-22.
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- DUNNE, ELEANORE CRESSWELL,
Group, History and Economics and Politics, 1921-22.
Washington, D. C. Prepared by the Duvall High School, Jacksonville, Fla., by St. Hilda's Hall, Charlestown, W. Va., by the Summer High School, by the Western High School, by the Central High School, and by George Washington University, Washington, D. C., and by private tuition.
- DU PONT, NATALIE WILSON, *Group, ———*, 1921-22.
Wilmington, Del. Prepared by the Misses Hebbs' School, Wilmington, Del., and by the Baldwin School, Bryn Mawr, Pa.
- EBERBACH, ANNA GETZ, . . . *Group, English and ———*, 1916-18, 1921-22
Cynwyd, Pa. Prepared by the Friends' Select School, Philadelphia.
- EBERBACH, MARION, *Group, English and French*, 1921-22.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia.
- ECROYD, MARY HAINES,
Group, Economics and Politics and Geology, 1918-22.
Newport, R. I. Prepared by the Misses Kirk's School, Bryn Mawr, Pa. Special Scholar, 1921-22.
- EHLERS, LOUISE CHARLOTTE, . *Group, Spanish and German*, 1918, 1918-22.
Hoboken, N. J. Prepared by the Hoboken Academy.
- EICKS, ADELAIDE MARGARET, *Group, ———*, 1922.
New York City. Prepared by the Washington Irving High School, New York City.
- ELSTON, KATHARINE MAE, . . . *Group, History and History of Art*, 1920-22.
Woodland, Calif. Prepared by the Low and Heywood School, Stamford, Conn.

- ERICSSON, ELIZABETH COLEMAN,
Group, Philosophy and Psychology, 1919-22.
 Scranton, Pa. Prepared by the Central High School, Scranton.
- EVANS, ELSIE LANA,.....*Group, ———, 1921-22.*
 Auburn, N. Y. Prepared by Gunston Hall, Washington, D. C.
- FANSLER, PRISCILLA HARRIET,
Group, Economics and Politics and Psychology, 1920-22.
 Frazer, Pa. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa.
- FARIES, MIRIAM, . . . *Group, Economics and Politics and Psychology, 1920-22.*
 Chestnut Hill, Philadelphia. Prepared by the Germantown High School, Philadelphia.
- FERGUSON, DOROTHY ELIZABETH,
Group, Economics and Politics and Psychology, 1918-22.
 Philadelphia. Prepared by the High School, Germantown, Philadelphia.
- FERGUSON, MARJORIE JOSEPHINE,
Group, Economics and Politics and Psychology, 1920-22.
 Philadelphia. Prepared by the Germantown High School, Philadelphia.
- FINCH, EDITH,.....*Group, English and Italian and Spanish, 1918-22.*
 New York City. Prepared by Miss Chapin's School, New York City.
- FISCHER, MARTHA LEWIS,
Group, Economics and Politics and Philosophy and Psychology, 1920-22.
 New Haven, Conn. Prepared by Miss Johnstone's School, New Haven, and by the High School, New Haven.
- FISHER, JOSEPHINE McCULLOH,
Group, History and Economics and Politics, 1918-22.
 Melvale, Md. Prepared by the Bryn Mawr School, Baltimore, Md. Elizabeth Duane Gillespie Scholar in American History, 1921-22.
- FISKE, DOROTHY BROOKS,
Group, History and Economics and Politics, 1921-22.
 Cambridge, Mass. Prepared by the Buckingham School, Cambridge, the Misses May's School, Boston, Mass., and by private tuition.
- FITZ, DELPHINE,.....*Group, Greek and English, 1919-22.*
 Philadelphia. Prepared by the High School for Girls, Philadelphia. Philadelphia City Scholar, 1919-22.
- FITZGERALD, ANNE, . . . *Group, Economics and Politics and ———; 1919-22.*
 Jamaica Plain, Mass. Prepared by the Girls' Latin School, Boston, and by the MacDuffie School, Springfield, Mass. Special Scholar, 1921-22.
- FLOYD, OLIVE BEATRICE,.....*Group, French and Spanish, 1918-22.*
 Lincoln, Mass. Prepared by the Misses Allen School, West Newton, Mass.
- FOLEY, LOUISE MARIE,.....*Group, French and History of Art, 1919-22.*
 Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs, and by private tuition.
- FORD, LESTA,.....*Group, History and Economics and Politics, 1920-22.*
 New York City. Prepared by Miss Chapin's School for Girls, New York City, and by the Ethel Walker School, Simsbury, Conn.
- FOSTER, RACHEL ALMEDA,.....*Group, ———, 1921-22.*
 Winnetka, Ill. Prepared by the Girtton School, Winnetka, and by the University School for Girls, Chicago, Ill.
- FOUNTAIN, AUDREY ELIZABETH,*Group, Italian and History, 1918-22.*
 Scarsdale, N. Y. Prepared by the Public Schools, Scarsdale.
- FOUNTAIN, OLIVIA CALDWELL,.....*Group, ———, 1920-21.*
 Scarsdale, N. Y. Prepared by the High School, Scarsdale.

- FOWLER, KATHARINE STEVENS, *Group, Geology and Biology*, 1921-22.
Boston, Mass. Prepared by the Winsor School, Brookline, Mass. New England States
Matriculation Scholar, 1921-22.
- FRASER, ANN CORNING, *Group, Economics and Politics and Geology*, 1919-22.
Morristown, N. J. Prepared by the Brearley School, New York City.
- FREEMAN, MARY LOUISE, *Group, French and Spanish*, 1920-22.
Terre Haute, Ind. Prepared by Tudor Hall School for Girls, Indianapolis, Ind.
- FUJITA, TAKI, *Group, History and Economics and Politics*, 1921-22.
Tokyo, Japan. Prepared by Miss Tsuda's School, Tokyo, and by the Misses Kirk's School,
Bryn Mawr, Pa. Japanese Scholar, 1921-22.
- GABEL, ANNE MAY, *Group, English and Psychology*, 1918-22.
Lancaster, Pa. Prepared by the Stevens High School, Lancaster.
- GABELL, ELEANOR, *Group, Latin and French*, 1918-22.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City
Scholar, 1918-22.
- GALLWEY, KATHLEEN, *Group*, ———, 1920-22.
Newport, R. I. Prepared by St. Timothy's School, Catonsville, Md.
- GARDINER, MARGARET EDWARDS, *Group*, ———, 1921-22.
Haddonfield, N. J. Prepared by the Westtown School, Westtown, Pa. Foundation
Scholar and Special Scholar, 1921-22.
- GARDNER, DOROTHY CAROLINE, *Group, English and French*, 1920-22.
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- GARDNER, KATHARINE LUCRETIA, *Group, Greek and English*, 1918-22.
New York City. Prepared by St. Mary's School, Garden City, L. I., and by Rosemary
Hall, Greenwich, Conn.
- GARRISON, LAURA BELL DWIGHT, *Group*, ———, 1921-22.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- GARRISON, MARIAN ELIZABETH, . . *Group, Chemistry and Physics*, 1918-22.
Shickshinny, Pa. Prepared by the State Normal School, Bloomsburg, Pa., and by the
Misses Kirk's School, Bryn Mawr, Pa.
- GATCHELL, CATHARINE KIRKE, *Group, Greek and Latin*, 1921-22.
New York City. Prepared by the Wadleigh High School, New York City. Elizabeth S.
Shippen Freshman Scholar, 1921-22.
- GATES, GAIL, *Group, Greek and English*, 1921-22.
St. Davids, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GATES, IRENE, *Group, Chemistry and Biology*, 1919-22.
St. Davids, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GEHRING, CLARA LOUISE, *Group*, ———, 1921-22.
Cleveland, O. Prepared by the Laurel School, Cleveland. Western States Matriculation
Scholar, 1921-22.
- GEORGE, HELEN LILLIAN, *Group, English and Spanish*, 1919-22.
Richmond, Va. Prepared by the Virginia Randolph Ellett School, Westhampton, Va.
- GEYER, RUTH BAKER, *Group, English and Psychology*, 1919-22.
Middletown, Pa. Prepared by the High School, Middletown, by the Seiler School, Harris-
burg, and by the Shipley School, Bryn Mawr, Pa.
- GIST, ESTHER ELIZABETH, . . . *Group, Spanish and History*, 1920, 1920-22.
Oak Park, Ill. Prepared by the High School, Oak Park.
- GLASNER, MALVINA DOROTHY,
Group, Economics and Politics and Psychology, 1918-22.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar,
1919-22, and Special Scholar, 1920-22.

- GLESSNER, EMILY FORSYTH, *Group*, ———, 1921-22.
Littleton, N. H. Prepared by the Chicago Latin School, Chicago, Ill., the May School, Concord, N. H., and by Rosemary Hall, Greenwich, Conn.
- GODDARD, CELESTINE, *Group, History and Economics and Politics*, 1919-22.
New York City. Prepared by the Brearley School, New York City.
- GODEFROY, ROBERTE, *Group, Physics and Chemistry*, 1920-22.
New York City. Prepared by St. Agatha's School, New York City. Special Thomas H. Powers Scholar, 1921-22.
- GOLDSMITH, KATHERINE PRICE,
Group, History and Economics and Politics, 1919-22.
New York City. Prepared by the Horace Mann School, New York City.
- GOWING, JEAN, *Group, Chemistry and Biology*, 1918-22.
Roxborough, Pa. Prepared by the Ladies' College, Ontario, Canada, and by the Germantown High School, Philadelphia. Anna M. Powers Memorial Scholar, Thomas H. Powers Senior Scholar and Special L. C. B. Saul Memorial Scholar, 1921-22.
- GRACE, VIRGINIA RANDOLPH, *Group, Greek and English*, 1918-22.
New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1918-19; Elizabeth S. Shippen Scholar for Foreign Languages and Holder of the Horace White Prize for Greek Literature, 1921-22.
- GRAY, ELIZABETH JANET GORDON, . . *Group, English and Spanish*, 1919-22.
Philadelphia. Prepared by the Stevens School, Germantown, and by the Germantown Friends' School, Philadelphia.
- GRAYSON, HELEN STEEL, *Group*, ———, 1921-22.
Princeton, N. J. Prepared by private tuition.
- GREGORY, JEAN LOVELL, *Group*, ———, 1921-22.
Oakville, Ontario, Canada. Prepared by the Shipley School, Bryn Mawr, Pa.
- GRIM, LORETTA MAY,
Group, Economics and Politics and Psychology, 1918-22.
Texarkana, Tex. Prepared by the Shipley School, Bryn Mawr, Pa.
- HALE, ELIZABETH, *Group, Chemistry and Biology*, 1920-22.
Yonkers, N. Y. Prepared by the Halsted School, Yonkers.
- HALE, MARY CAMERON, *Group*, ———, 1921-22.
Washington, D. C. Prepared by the Seiler School, Harrisburg, Pa., by the Agnes Irwin School, Philadelphia, and by the Holton-Arms School, Washington.
- HALL, ELIZABETH MCGOWAN, . . . *Group, English and Psychology*, 1918-22.
Kingston, N. Y. Prepared by the Friends' School, New York City, by the High School, Kingston, N. Y., and by Wykeham Rise, Washington, Conn.
- HAMMOND, MARTHA BONNER, *Group, Mathematics and Chemistry*, 1920-22.
New York City. Prepared by the Brearley School, New York City.
- HAMPTON, ETHELYN, *Group*, ———, 1921-22.
Winter Haven, Fla. Prepared by the High School, Winter Haven.
- HAND, SERENA EVERETT, *Group, French and History*, 1918-22.
New York City. Prepared by the Brearley School, New York City.
- HANSEN, MATHILDE CATLIN, *Group*, ———, 1921-22.
Santa Barbara, Calif. Prepared by the Santa Barbara Girls' School, Santa Barbara, and by the Ethel Walker School, Simsbury, Conn.
- HARRISON, FLORENCE LEFTWICH, . . . *Group, French and History*, 1919-22.
Raleigh, N. C. Prepared by Miss Madeira's School, Washington, D. C.
- HAWKINS, DORIS AMBALINE, *Group, English and French*, 1920-22.
Millbourne, Pa. Prepared by the Friends' Central School, Philadelphia.

- HAY, ALICE HOUGHTON, *Group, History and Economics and Politics*, 1919-22.
Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.
- HAY, MARY DOUGLASS, *Group, History and Economics and Politics*, 1918-22.
Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.
- HAYNE, EMILY POITEVENT, *Group, ———*, 1921-22.
New Orleans, La. Prepared by the Misses Finney's School, New Orleans, and by St. Timothy's School, Catonsville, Md.
- HEALEA, EDITH, *Group, Mathematics and Physics*, 1918-22.
New Philadelphia, O. Prepared by the High School, New Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- HELLER, RUTH ADÈLE, *Group, ———*, 1921-22.
Newark, N. J. Prepared by Prospect Hill School, Newark.
- HENDERSON, ELIZABETH KISSAM, . . . *Group, Spanish and History*, 1920-22.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- HENSHAW, HELEN ROCKWELL, *Group, ———*, 1921-22.
Schenectady, N. Y. Prepared by the High School, Schenectady.
- HERING, MARGARET ELSA, *Group, ———*, 1921-22.
New York City. Prepared by the High School, Montclair, N. J., and by the Misses Kirk's School, Bryn Mawr, Pa.
- HERRMAN, HELEN, *Group, ———*, 1921-22.
New York City. Prepared by Hunter College Model School, and by the Hamilton Institute for Girls, New York City.
- HIGGINS, GRACE, *Group, Latin and ———*, 1921-22.
Mt. Airy, Philadelphia. Prepared by Miss Robins's School, Mt. Airy, and by the High School, Germantown, Philadelphia.
- HILL, BLANCHE THEODORA, . . . *Group, French and History of Art*, 1921-22.
Boston, Mass. Prepared by the Winsor School, Longwood, Mass.
- HINKLEY, ETHELINE HART, *Group, ———*, 1921-22.
Poughkeepsie, N. Y. Prepared by Putnam Hall, Poughkeepsie, and by Miss Madeira's School, Washington, D. C.
- HINTON, CHRISTEL, *Group, ———*, 1921-22.
Hinton, W. Va. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- HOBODY, ELIZABETH BELLE, *Group, English and French*, 1918-22.
Honolulu, T. H. Prepared by Punahou Academy, Honolulu.
- HOLT, MARIAN HUBBARD, *Group, Economics and Politics and Psychology*, 1919-22.
Chicago, Ill. Prepared by the Latin School, Chicago, by St. Timothy's School, Catonsville, Md., and by Miss Spence's School, New York City.
- HOUGH, HELEN ANASTASIA, *Group, ———*, 1921-22.
New York City. Prepared by the Brearley School, New York City. New York, New Jersey and Delaware Matriculation Scholar, 1921-22.
- HOWARD, OCTAVIA DUVAL, *Group, English and Psychology*, 1918-22.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HOWE, MARTHA ELIZABETH, *Group, Economics and Politics and ———*, 1920-22.
Fulton, N. Y. Prepared by the Shipley School, Bryn Mawr, Pa.
- HOWELL, AUGUSTA APPLETON, *Group, Economics and Politics and Psychology*, 1919-22.
Newark, N. J. Prepared by "Westover", Middlebury, Conn., and by Wykeham Rise, Washington, Conn.

- HOWITZ, LOUISE WILSON, *Group*, ———, 1920-22.
Scranton, Pa. Prepared by the Central High School, Scranton.
- HOYT, HELEN PHELPS,
..... *Group, Economics and Politics and Philosophy and Psychology*, 1919-22.
New York City. Prepared by the Brearley School, New York City.
- HUGHES, FRANCES MAXTON, *Group, Greek and English*, 1919-22.
Philadelphia. Prepared by the High School, Germantown, Philadelphia. Trustees' Scholar, 1919-22; Second James E. Rhoads Junior Scholar, 1921-22.
- HUMPHREYS, HAROLDINE, *Group, Italian and History of Art*, 1919-22.
New York City. Prepared by the Brearley School, New York City.
- IVES, ELIZABETH, *Group, Economics and Politics and Psychology*, 1920-22.
Brewster, N. Y. Prepared by the Brearley School, New York City, the Misses Kirk's School, Bryn Mawr, Pa., and by the Cambridge Haskell School, Cambridge, Mass.
- JACOBS, * ANNA SOPHIA, *Group* ——— 1919-20, 1922.
Ardmore, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- JAY, NANCY, *Group, History and Economics and Politics*, 1918-22.
New York City. Prepared by the Brearley School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- JENNINGS, HENRIETTA COOPER,
..... *Group, History and Economics and Politics*, 1918-22.
Danville, Pa. Prepared by the High School, Williamsport, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa. Maria Hopper Sophomore Scholar, 1919-20; Mary E. Stevens Junior Scholar, 1920-22; Chicago Bryn Mawr Club Scholar and Elizabeth Duane Gillespie Scholar in American History, 1921-22.
- KALBFLEISCH, KATHRYN MARY, ... *Group, Chemistry and Biology*, 1920-22.
Tiffin, O. Prepared by the Tiffin High School, Tiffin, O., and by the Laurel School, Cleveland, O.
- KENNARD, MARGARET ALICE, *Group, Chemistry and Biology*, 1918-22.
Newton Centre, Mass. Prepared by the Winsor School, Brookline, Mass.
- KILROY, BANBAH, *Group, French and History*, 1919-22.
Springfield, Mass. Prepared by the Central High School, Springfield.
- KIRK, HELEN LUCRETIA,
..... *Group, History and Economics and Politics*, 1921-22.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- KIRKBRIDE, MABEL STORY, *Group, English and Italian*, 1918-22.
New York City. Prepared by the Veltin School, New York City. Sheelah Kilroy Memorial Scholar in English, 1921-22.
- KIRKPATRICK, ESTHER FRASER, *Group, French and History*, 1919-22.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdoch Kendrick Memorial Scholar, 1919-22, and Special Scholar, 1921-22.
- KNOX, FRANCES MAY, *Group, English and French*, 1919-22.
Salt Lake City, Utah. Prepared by Miss Ransom and Miss Bridges' School, Piedmont, Calif., by Oaksmere, Mamaroneck, N. Y., and by Rosemary Hall, Greenwich, Conn.
- LABEL, FRANCES, *Group, Mathematics and Physics*, 1918-22.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Charles E. Ellis Scholar, 1918-22, and Special Scholar, 1921-22.
- LAWRENCE, ELIZABETH BAILEY, *Group*, ———, 1921-22.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- LAWRENCE, JANET, *Group, Economics and Politics and Psychology*, 1920-22.
Chicago, Ill. Prepared by Kemper Hall, Kenosha, Wis.

* Mrs. Reginald Robert Jacobs

- LAWRENCE, MARION,.....*Group, History and History of Art*, 1919-22.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Maria Hopper Sophomore Scholar, 1920-21; Mary E. Stevens Junior Scholar, 1921-22.
- LEE, DOROTHY BLACKBURN,.....*Group, ———*, 1921-22.
Philadelphia. Prepared by the Shipley School, Bryn Mawr, and by the Agnes Irwin School, Philadelphia.
- LEEWITZ, SUZANNE ELISE,.....*Group, French and Spanish*, 1920-22.
New York City. Prepared by the Veltin School, New York City.
- LEMON, IRENE ELIZABETH,.....*Group, French and History*, 1919-22.
Yonkers, N. Y. Prepared by the High School, Yonkers, and by the Halsted School, Yonkers.
- LEWIS, CONSTANCE DOROTHY,..*Group, History and History of Art*, 1920-22.
Staten Island, N. Y. Prepared by the Curtis High School, New Brighton, Staten Island, and by the Capen School, Northampton, Mass.
- LIDDELL, VINTON,..*Group, Economics and Politics and Psychology*, 1918-22.
Charlotte, N. C. Prepared by the Shipley School, Bryn Mawr, Pa.
- LITCHFIELD, DOROTHY HALE,.....*Group, English and French*, 1920-22.
Narberth, Pa. Prepared by the Friends' Central School, Philadelphia.
- LITTLE, ALICE ELIZABETH,.....*Group, ———*, 1920-22.
Evanston, Ill. Prepared by Rosemary Hall, Greenwich, Conn.
- LIU, FUNG KEI,.....*Group, Physics and Chemistry*, 1918-22.
Canton, China. Prepared by Canton Christian College and by the Shipley School, Bryn Mawr, Pa. Chinese Scholar, 1918-22.
- LOMAS, ELAINE MARGARET,.....*Group, ———*, 1921-22.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- LOMAS, VIRGINIA WASHINGTON,.....*Group, ———*, 1921-22.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- LYTLE, MARY LORENE,.....*Group, ———*, 1921-22.
Marquette, Mich. Prepared by Northern State Normal High School, and by Northern State Normal School, Marquette.
- MACY, EDYTHA CARPENTER,.....*Group, ———*, 1921-22.
New York City. Prepared by Miss Chapin's School, New York City.
- MALAUN, ELIZABETH,.....*Group, English and ———*, 1921-22.
Carbondale, Pa. Prepared by the High School, Carbondale, and by private tuition. Pennsylvania State Scholar, 1921-22.
- MALLETT, ELIZABETH GIBBS,.....*Group, ———*, 1922.
New York City. Prepared by Miss Spence's School, New York City.
- MARTIN, DOROTHY JEAN,.....*Group, Mathematics and Physics*, 1919-22.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Special Scholar, 1920-21; Anna Hallowell Junior Scholar and Special Scholar, 1921-22.
- MARTIN, FLORENCE HAMILTON,..*Group, English and Psychology*, 1919-22.
San Rafael, Calif. Prepared by Miss Ransom and Miss Bridges' School, Piedmont, Calif.
- MATHEWS, ELEANOR BOWEN,
Group, Economics and Politics and Psychology, 1919-22.
New York City. Prepared by the Brearley School, New York City.
- MATTESON, FRANCES,.....*Group, Spanish and History*, 1919-22.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- MCANENY, RUTH PUTNAM,.....*Group, French and History*, 1919-22.
New York City. Prepared by the Brearley School, New York City, and by the Bremestead School, Bolton Landing, N. Y.

- MCBRIDE, KATHARINE ELIZABETH, *Group*, ———, 1921–22.
Germantown, Philadelphia. Prepared by the Stevens School, Germantown, and by the Friends' School, Germantown.
- MCCULLOUGH, VIRGINIA CARTER,
..... *Group, History and Economics and Politics*, 1921–22.
Norfolk, Va. Prepared by St. George's School, Norfolk, and by the Baldwin School, Bryn Mawr, Pa.
- MCDANIEL, STAR, *Group, Philosophy and Geology*, 1919–22.
San Antonio, Tex. Prepared by the High School, San Antonio, and by the Shipley School, Bryn Mawr, Pa.
- MCLAUGHLIN, CLARA BRUSSTAR, *Group, Mathematics and Physics*, 1919–22.
Cynwyd, Pa. Prepared by the Shipley School, Bryn Mawr, Pa.
- MEARNS, LOUISE ADELA CLARK, *Group, Mathematics and Physics*, 1918–22.
New York City. Prepared by St. Agatha's School, New York City.
- MELCHER, EDITH, *Group, English and French*, 1919–22.
Cynwyd, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Merion High School Scholar and Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1919–20; James E. Rhoads Sophomore Scholar, 1920–21; Pennsylvania State Scholar, 1920–21; and James E. Rhoads Junior Scholar, 1921–22.
- MELTON, GULIELMA, *Group, French and History*, 1918–22.
Columbia, S. C. Prepared by the College for Women, Columbia, and by the Baldwin School, Bryn Mawr, Pa.
- MENEELY, EUGENIA, *Group, Spanish and History*, 1920–22.
Troy, N. Y. Prepared by the Emma Willard School, Troy.
- MENG, MABEL ANNA, .. *Group, History and Economics and Politics*, 1918–22.
Philadelphia. Prepared by the Germantown High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1918–22.
- MESERVE, DOROTHY TURNER, *Group, French and Spanish*, 1919–22.
New York City. Prepared by the Brearley School, New York City.
- MILLAR, HARRIETTE, *Group, French and Spanish*, 1919–22.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Special Scholar, 1921–22.
- MILLER, CONSTANCE, *Group, English and History of Art*, 1921–22.
New York City. Prepared by the Brearley School, New York City.
- MILLER, VIRGINIA BLANCHE,
..... *Group, Economics and Politics and Philosophy*, 1919–22.
Winnetka, Ill. Prepared by the Girton Upper School, Winnetka. Bryn Mawr Matriculation Scholar for the Western States, 1919–20.
- MILLER, VIRGINIA FLEEK, *Group, Mathematics and Chemistry*, 1920–22.
Newark, O. Prepared by Newark High School, Newark, and by Abbot Academy, Andover, Mass.
- MILLS, HELEN FRANCES, *Group*, ———, 1920–22.
Sulphur Springs, Mo. Prepared by Mary Institute, St. Louis, Mo.
- MILLS, LOUISE HOLE, *Group, Spanish and History*, 1919–22.
N. Tonawanda, N. Y. Prepared by Hopkins Hall, Burlington, Vt., and by the High School, N. Tonawanda.
- MINOTT, MARY, *Group, History and Economics and Politics*, 1920–22.
New York City. Prepared by St. Timothy's School, Catonsville, Md., and by the Brearley School, New York City. New York, New Jersey and Delaware Matriculation Scholar, 1920–21.
- MOLITOR, ELSA LEILA, *Group, English and Psychology*, 1920–22.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, and by the Germantown High School, Germantown, Philadelphia. Philadelphia City Scholar and Pennsylvania State Scholar, 1920–22.

- MORDOCK, KATHARINE,.....*Group*, ———, 1921-22.
Winnetka, Ill. Prepared by the Girtton School, Winnetka, and by the North Shore Country Day School, Winnetka.
- MORSE, SELMA,.....*Group*, ———, 1921, 1921-22.
New York City. Prepared by private tuition.
- MORSMAN, MARY,...*Group, History and Economics and Politics*, 1919-22.
Omaha, Neb. Prepared by Brownell Hall, Omaha, and by St. Timothy's School, Catonsville, Md.
- MORTON, REBECCA HAMILTON,
Group, Economics and Politics and Psychology, 1921-22.
Wilmington, Del. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- MOSLE, ELIZABETH BOARDMAN,
Group, History and Economics and Politics, 1920-22.
New York City. Prepared by Miss Chapin's School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- MURRAY, ROBERTA,.....*Group, English and History of Art*, 1920-22.
Chappaqua, N. Y. Prepared by the Pleasantville High School, Pleasantville, N. Y., and by the Shipley School, Bryn Mawr, Pa. Foundation Scholar, 1920-22.
- MUTCH, MARY DOW,.....*Group*, ———, 1921-22.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- NAGLE, MARION WYNNE,.....*Group*, ———, 1921-22.
Reading, Pa. Prepared by the High School for Girls, Reading, and by private tuition.
- NEEL, RAYMONDE GERTRUDE ELEONORE,
Group, Economics and Politics and Psychology, 1918-22.
Millburn, N. J. Prepared by Short Hills School, Short Hills, N. J., and by Miss Beard's School, Orange, N. J.
- NEILSON, KATHARINE BISHOP, *Group, English and History of Art*, 1920-22.
Darien, Conn. Prepared by the Low and Heywood School, Stamford, Conn.
- NELSON, DORA BELLE,.....*Group*, ———, 1921-22.
Havana, Cuba. Prepared by the Julia Richman High School, and by the Wadleigh High School, New York City.
- NEVILLE, ESTELLE CARDWELL,.....*Group, English and* ———, 1920-22.
Colonia, N. J. Prepared by the Horace Mann School, New York City, and by the Shipley School, Bryn Mawr, Pa.
- NEWBOLD, ELIZABETH MUNSON,..*Group, Chemistry and Biology*, 1919-22.
Philadelphia. Prepared by the High School, Asbury Park, N. J., and by the Girls' High School, West Philadelphia. Philadelphia City Scholar, 1919-22; Maria Hopper Sophomore Scholar, 1920-21; Mary Anna Longstreth Junior Scholar, 1921-22.
- NICOLL, ALICE MARY,
Group, Economics and Politics and Psychology, 1918-22.
New York City. Prepared by Miss Chapin's School, New York City.
- ORBISON, AGNES MORRIS,.....*Group, Psychology and Biology*, 1918-22.
Overbrook, Pa. Prepared by Northfield Seminary, East Northfield, Mass., and by private tuition. Elizabeth S. Shippen Scholar in Science and Special Senior Scholar, 1921-22.
- PAGE, EVELYN,.....*Group, English and Psychology*, 1919-22.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- PALACHE, ELIZA JEANNETTE,.....*Group, Greek and English*, 1918-22.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, by the Cambridge School, Cambridge, and by the Winsor School, Brookline, Mass.
- PALACHE, MARY,.....*Group*, ———, 1920-22.
Cambridge, Mass. Prepared by the Brimmer School, Boston, Mass.

- PALMER, JEAN TILFORD, *Group*, ———, 1920-22.
Omaha, Nebr. Prepared by St. Timothy's School, Catonsville, Md.
- PANTZER, ADELE AMELIA, *Group*, ———, 1921-22.
Indianapolis, Ind. Prepared by Tudor Hall School for Girls, Indianapolis.
- PARKER, ALICE LEE, *Group*, ———, 1921-22.
South Orange, N. J. Prepared by the Dearborn-Morgan School, Orange, N. J., and by the Ethel Walker School, Simsbury, Conn.
- PEARCE, ROSALIND, *Group*, ———, 1920-22.
Gloucester, Mass. Prepared by the High School, Gloucester, and by the Cambridge-Haskell School, Cambridge, Mass.
- PEARSON, ELIZABETH THOM, *Group, French and History*, 1920-22.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia.
- PEEK, KATHERINE MARY,
..... *Group, History and Economics and Politics*, 1918-22.
Moline, Ill. Prepared by St. Katharine's School, Davenport, Ia., and by the National Cathedral School, Washington, D. C.
- PELL, ORLIE ANNA HAGGERTY,
..... *Group, Economics and Politics and Philosophy*, 1918-22.
New York City. Prepared by St. Timothy's School, Catonsville, Md.
- PHILBRICK, ELIZABETH VAN VALZAH, *Group*, ———, 1919-22.
New York City. Prepared by the High School, Montclair, N. J., by the Brearley School, New York City, and by private tuition.
- PHILIPS, ALISON, *Group*, ———, 1920-22.
Lawrence, Long Island, N. Y. Prepared by Miss Chapin's School for Girls, New York City.
- PICKRELL, GENEVIEVE, *Group, English and* ———, 1921-22.
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by Rosemary Hall, Greenwich, Conn.
- PIERCE, MARGARET HORTENSE, *Group, French and* ———, 1921-22.
Syracuse, N. Y. Prepared by the Goodyear-Burlingame School, Syracuse, and by the Ethel Walker School, Simsbury, Conn.
- POTTS, HELEN, *Group*, ———, 1921-22.
Chicago, Ill. Prepared by the Nicholas Senn High School, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.
- POTTS, HELEN DICKEY, *Group*, ———, 1921-22.
Germantown, Philadelphia. Prepared by the Germantown Friends' School, and by the Westtown Boarding School, Westtown, Pa.
- PRATT, ANNA, *Group, English and Italian and Spanish*, 1920-22.
Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- PREWITT, JULIA KATHERINE, *Group*, ———, 1920-22.
Winchester, Ky. Prepared by Hamilton College, Lexington, Ky., and by the Shipley School, Bryn Mawr, Pa.
- PRICE, ELIZABETH WINSTON, *Group, Chemistry and* ———, 1920-22.
New York City. Prepared by Miss Chapin's School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- PRICE, HARRIET DYER, *Group, History and Economics and Politics*, 1919-22.
New York City. Prepared by Miss Chapin's School, New York City, and by St. Timothy's School, Catonsville, Md.
- PROKOSCH, GERTRUDE, *Group, French and German*, 1920-22.
Bryn Mawr, Pa. Prepared by the Austin High School, Austin, Tex. University of Texas, and University of Chicago. Trustees' and Directors' Scholar, 1920-22.

- QUARLES, CAROLINE STOCKTON, *Group, ———, 1921–22.*
Milwaukee, Wis. Prepared by the Lake School for Girls, Milwaukee, and by Milwaukee-Downer Seminary.
- RAHT, KATHARINE, *Group, History and ———, 1919–22.*
Chattanooga, Tenn. Prepared by the Girls' Preparatory School, Chattanooga, and by the Shipley School, Bryn Mawr, Pa.
- RALEY, ROSAMOND DAY, *Group, Chemistry and Biology, 1919–22.*
Glens Falls, N. Y. Prepared by the High School, Glens Falls, and by private tuition.
- RAWSON, MARION, *Group, Economics and Politics and Psychology, 1918–22.*
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati, and by Wykeham Rise, Washington, Conn.
- REMAK, CAROLINE VORHEES, *Group, ———, 1921–22.*
Chestnut Hill, Philadelphia. Prepared by Springside School, Chestnut Hill, by the Agnes Irwin School, Philadelphia, and by Rosemary Hall, Greenwich, Conn.
- REQUA, ELOISE GALLUP, *Group, History and Economics and Politics, 1920–22.*
Chicago, Ill. Prepared by the Chicago Latin School for Girls, Chicago, and by the Mary C. Wheeler School, Providence, R. I.
- RHETT, CATHERINE TYLER, *Group, Economics and Politics and Psychology, 1918–22.*
Garden City, L. I., N. Y. Prepared by the Cathedral School of St. Mary, Garden City.
- RHOADS, ESTHER LOWREY, *Group, French and Italian, 1919–22.*
Bala, Pa. Prepared by the Agnes Irwin School, Philadelphia.
- RHOADS, JR., GRACE EVANS, *Group, English and Psychology, 1918–22.*
Moorestown, N. J. Prepared by the Friends' Academy, Moorestown, and by Westtown School, Westtown, Pa.
- RICE, HELEN, *Group, French and Italian, 1919–22.*
New York City. Prepared by Miss Chapin's School, New York City.
- RICHARDS, JANE REBECCA, *Group, French and History, 1919–22.*
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington, and by Rosemary Hall, Greenwich, Conn.
- RITTENHOUSE, MELLA DENZLER, *Group, History and Economics and Politics, 1920–22.*
Broomall, Pa. Prepared by the West Philadelphia High School, Philadelphia, and by the Misses Kirk's School, Bryn Mawr, Pa.
- ROBBINS, ELIZABETH, *Group, French and ———, 1920–22.*
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Merion High School Scholar, 1920–21; Maria Hopper Sophomore Scholar, 1921–22.
- ROBERTS, NELL RICHARDSON, *Group, Mathematics and Physics, 1921–22.*
Louisville, Ky. Prepared by the Girls' High School, Louisville, and by Rosemary Hall, Greenwich, Conn.
- RODNEY, MARY EMILY, *Group, Economics and Politics and Psychology, 1920–22.*
Harrisburg, Pa. Prepared by the High School, Harrisburg.
- ROGERS, EVELYN, *Group, Chemistry and Biology, 1918–22.*
New York City. Prepared by the Brearley School, New York City.
- ROSENKOFF, FRED A. FRANCES, *Group, Latin and French, 1920–22.*
Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City Scholar, 1920–22, and Special Sophomore Scholar, 1921–22.
- RUSSELL, MARIAN, *Group, History and Economics and Politics, 1920–22.*
Asbland, Ky. Prepared by the Shipley School, Bryn Mawr, Pa.

- SABIN, HELEN YVONNE,.....*Group*, ———, 1921-22.
Dallas, Tex. Prepared by St. Edward's School, Dallas, and by Miss Madeira's School, Washington, D. C.
- ST. JOHN, ELEANOR VIVIAN,.....*Group*, ———, 1921-22.
Hartford, Conn. Prepared by the Oxford School, Hartford, and by the Ethel Walker School, Simsbury, Conn.
- SANDERS, * LILLIAN,.....*Hearer by Courtesy in Music*, 1921-22.
Bryn Mawr, Pa.
- SANFORD, LOUISE MOTT,.....*Group, English and History of Art*, 1920-22.
New York City. Prepared by the Brearley School, New York City.
- SAUNDERS, OLIVIA,.....*Group*, ———, 1921-22.
Clinton, N. Y. Prepared by College Hill School, Clinton, and by the Shipley School, Bryn Mawr, Pa.
- SAUNDERS, SILVIA,.....*Group*, ———, 1920-21.
Clinton, N. Y. Prepared by the Winsor School, Boston, Mass., and by College Hill School, Clinton, N. Y.
- SCHOONOVER, JANETTA WRIGHT,
Group, Mathematics and Chemistry, 1921-22.
Trenton, N. J. Prepared by the Bowen-van Cleef School, Trenton, and by the High School, Trenton.
- SCHWARZ, JOANNA MILDRED,
Group, History and Economics and Politics, 1919-22.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- SCRIBNER, HARRIET MARIE,.....*Group, English and French*, 1919-22.
Cornwall-on-Hudson, N. Y. Prepared by the Brearley School, New York City.
- SEARS, OLIVE,.....*Group, History and ———*, 1921-22.
Framingham Centre, Mass. Prepared by Rosemary Hall, Greenwich, Conn.
- SELLIGMAN, FRIEDA,
Group, Economics and Politics and Psychology, 1919-22.
Louisville, Ky. Prepared by the High School, Louisville, by the Louisville Collegiate School, and by the Girtton School, Winnetka, Ill.
- SHARPE, PAULINE GARDNER,
Group, Economics and Politics and ———, 1920-22.
Atlantic City, N. J. Prepared by the High School, Atlantic City.
- SHIPLEY, DOROTHEA CAROLINE,..*Group, English and Psychology*, 1921-22.
Mt. Airy, Philadelphia. Prepared by the Germantown Friends' School, and by private tuition.
- SHIRAS, ANNE McDOWELL,.....*Group, English and French*, 1920-22.
Pittsburgh, Pa. Prepared by the Ethel Walker School, Simsbury, Conn., and by private tuition. New England States Matriculation Scholar, 1920-21.
- SHUMWAY, ADELAIDE KATHERINE,..*Group, French and History*, 1919-22.
Bryn Mawr, Pa. Prepared by Miss Wright's School, Bryn Mawr. Frances Marion Simpson Scholar, 1919-22.
- SHUMWAY, MARGARET HENDERSON, *Group, Chemistry and ———*, 1921-22.
Bryn Mawr, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- SIMKHOVITCH, HELENA KINGSBURY,.....*Group*, ———, 1920-22.
New York City. Prepared by the Hartridge School, Plainfield, N. J.
- SMITH, ALICE POWELL,
Group, Economics and Politics and Geology, 1919-22.
Stamford, Conn. Prepared by the Low and Heywood School, Stamford, and by the Baldwin School, Bryn Mawr, Pa.

* Mrs. Henry N. Sanders.

- SMITH, ELIZABETH LANE,.....*Group*, ———, 1921-22.
Lee, Mass. Prepared by Trinity School, Lenox, Mass., and by the Shipley School, Bryn Mawr, Pa.
- SMITH, HELEN LORD,.....*Group*, ———, 1921-22.
Westfield, Mass. Prepared by the Baldwin School, Bryn Mawr, Pa.
- SMITH, MARGARET VAUGHAN,.....*Group*, ———, 1920-22.
Philadelphia. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa., and by the West Philadelphia Girls' High School. Philadelphia City Scholar, 1920-22.
- SMITH, PRUE DURANT,
Group, Economics and Politics and Psychology, 1918-22.
Brooklyn, N. Y. Prepared by the Packer Collegiate Institute, Brooklyn, and by the Mary C. Wheeler School, Providence, R. I.
- SOLLERS, DOROTHY,.....*Group*, ———, 1921-22.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- SPEER, MARGARET BAILEY,
Group, History and Economics and Politics, 1918-22.
Englewood, N. J. Prepared by the Dwight School for Girls, Englewood, and by Abbot Academy, Andover, Mass.
- SPEICHER, ELIZABETH STEIN,.....*Group*, ———, 1921-22.
Somerset, Pa. Prepared by the High School, Succasunna, N. J., by the High School, Somerset, and by the Cowles School, Oak Lane, Philadelphia.
- SPURNEY, JEAN,.....*Group, French and History*, 1917-20, 1920-22.
Cleveland, Ohio. Prepared by the Laurel School, Cleveland.
- STARR, KATHARINE EUNICE,.....*Group*, ———, 1921-22.
New York City. Prepared by Miss Marshall's School, New York City.
- STEERS, ETTA MARY, *Group, Economics and Politics and* ———, 1921-22.
New York City. Prepared by Miss Chapin's School, New York City.
- STEINMETZ, KATHERINE,.....*Group*, ———, 1921-22.
Norfolk, Va. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- STEVENS, HARRIET LYMAN,.....*Group, Chemistry and Biology*, 1918-22.
Lowell, Mass. Prepared by Rogers Hall, Lowell.
- STEVENSON, EMILY DOROTHY,
Group, History and Economics and Politics, 1918-22.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1919-22; Anna Hallowell Junior Scholar, 1920-21; Constance Lewis Memorial Senior Scholar, 1921-22.
- STEWARDSON, MARGARET,.....*Group*, ———, 1921-22.
Philadelphia. Prepared by the Bremestead School, Bolton Landing, N. Y. and by the Misses Kirk's School, Bryn Mawr, Pa.
- STEWART, ETHEL DE FOREST,.....*Group*, ———, 1921-22.
New York City. Prepared by the Brearley School, New York City.
- STEWART, FRANCES DOROTHY,
Group, English and Philosophy and Psychology, 1919-22.
New York City. Prepared by the Brearley School, New York City.
- STILES, KATHERINE,.....*Group, History and Economics and Politics*, 1918-22.
Fitchburg, Mass. Prepared by the Public Schools, Fitchburg, and by Wykeham Rise, Washington, Conn.
- STILLWELL, MADGE SPENCER,.....*Group*, ———, 1921-22.
Gillett, Ark. Prepared by the Baldwin School, Bryn Mawr, Pa.
- STOLZENBACH, CHRISTINE RITCHIE,.....*Group, History and* ———, 1921-22.
Sewickley, Pa. Prepared by the High School, Sewickley, and by the Misses Kirk's School, Bryn Mawr, Pa.

- STRAUSS, KATHARINE LORD,
Group, English and Philosophy and Psychology, 1919-22.
 New York City. Prepared by the Brearley School, New York City.
- SULLIVAN, ELINOR LOOMIS, *Group, ———, 1920-22.*
 New York City. Prepared by the Brearley School, New York City.
- TATE, FLORENCE PROCTER, *Group, ———, 1921-22.*
 Brookline, Mass. Prepared by the Runkle Grammar School, by the High School, Newton, Mass., and by the High School, Brookline.
- TATHAM, REBECCA, *Group, History and History of Art, 1920-22.*
 Katonah, N. Y. Prepared by the Brearley School, New York City.
- TAYLOR, BARBARA, *Group, French and History of Art, 1920-22.*
 Washington, D. C. Prepared by Miss Madeira's School, Washington, and by Miss Wright's School, Bryn Mawr, Pa.
- TEFFT, ETHEL GRISWOLD, *Group, ———, 1920-22.*
 New York City. Prepared by Miss Spence's School, New York City.
- THURLOW, SYLVA, *Group, Chemistry and Biology, 1918-22.*
 Philadelphia. Prepared by the Girls' High School, West Philadelphia. Philadelphia City Scholar, 1918-22; James E. Rhoads Junior Scholar, and Special Scholar, 1920-21, and Maria L. Eastman Brooke Hall Memorial Scholar, and Charles S. Hinchman Memorial Scholar, 1921-22.
- TINKER, DOROTHY CLARK, *Group, ———, 1921-22.*
 Allentown, Pa. Prepared by the High School, Cumberland, Md., by the High School, Allentown, by the Moravian Academy, Bethlehem, Pa., and by private tuition.
- TUBBY, RUTH PECKHAM,
Group, History and Economics and Politics, 1920-22.
 Westfield, N. J. Prepared by the Hartridge School, Plainfield, N. J. Frances Marion Simpson Scholar, 1920-21.
- TUCKER, MARTHA ELIZABETH RANDOLPH,
Group, History and Economics and Politics, 1918-22.
 New York City. Prepared by Institute Tisné, New York City, and by private tuition.
- TUTTLE, ELIZABETH NORRIS, . . . *Group, English and Psychology, 1920-22.*
 Bryn Mawr, Pa. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa.
- TYLER, MARGARET, *Group, Spanish and History, 1918-22.*
 Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia, and by Springside, Chestnut Hill.
- VAN BIBBER, KATHARINE, . . . *Group, Mathematics and Physics, 1920-22.*
 Bel Air, Md. Prepared by the Bryn Mawr School, Baltimore, Md. Pennsylvania and Southern States Matriculation Scholar and Bryn Mawr School Scholar, 1920-21; James E. Rhoads Sophomore Scholar and Special Scholar, 1921-22.
- VINCENT, ELIZABETH, *Group, History and Economics and Politics, 1919-22.*
 New York City. Prepared by Northrop Collegiate School, Minneapolis, Minn., and by Rosemary Hall, Greenwich, Conn.
- VON HOFSTEN, MARY LOUISE, *Group, French and History, 1919-22.*
 Winnetka, Ill. Prepared by the Girton School, Winnetka.
- VOORHEES, LOUISE VAN, *Group, French and ———, 1921-22.*
 New York City. Prepared by Miss Chapin's School, New York City, and by Rosemary Hall, Greenwich, Conn.
- VOORHEES, MILDRED ALICE, *Group, English and Italian, 1918-22.*
 New York City. Prepared by the Brearley School, New York City.
- WALKER, HELEN BANCROFT,
Group, Economics and Politics and Psychology, 1920-22.
 Andover, Mass. Prepared by Abbott Academy, Andover.

- WALLACE, IRENE AMBLER, . . . *Group, History and History of Art*, 1920-22.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- WALTON, EDITH HOWARD, . . . *Group, Greek and English*, 1921-22.
New York City. Prepared by Miss Chapin's School, New York City.
- WARD, JULIA,
Group, Economics and Politics and Philosophy and Psychology, 1919-22.
Washington, D. C. Prepared by Miss Madeira's School, Washington.
- WARDER, AMA JUNE, . . . *Group, English and Spanish*, 1918-22.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia.
- WATERBURY, ANNA LIVINGSTON, . . . *Group, ———*, 1921-22.
Portland, Me. Prepared by the Waynesfete School, Portland, Me., and by St. Timothy's School, Catonsville, Md.
- WATTS, EMILY PEPPER, . . . *Group, French and ———*, 1921-22.
Washington, D. C. Prepared by Miss Madeira's School, Washington, and by the Shipley School, Bryn Mawr, Pa.
- WEISER, CHARLOTTE MARSH, . . . *Group, ———*, 1920-22.
Fargo, N. D. Prepared by Rosemary Hall, Greenwich, Conn.
- WELLS, DOROTHY JANE, . . . *Group, French and History*, 1918-22.
Bethlehem, Pa. Prepared by Dana Hall, Wellesley, Mass., and by the Misses Kirk's School, Bryn Mawr, Pa.
- WEST, MARY LAIDLIE DEY, . . . *Group, ———*, 1920-22.
New York City. Prepared by Miss Spence's School, New York City.
- WHITCOMB, MERLE, . . . *Group, Mathematics and Physics*, 1921-22.
Dedham, Mass. Prepared by the Faulkner School, Dedham, and by Miss May's School, Boston, Mass.
- WHITE, MARY LOUISE, . . . *Group, English and History of Art*, 1920-22.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia, and by the Westtown School, Westtown, Pa.
- WILLCOX, MARIE FARNSWORTH,
Group, Psychology and Economics and Politics, 1918-22.
Englewood, N. J. Prepared by the Dwight School, Englewood, and by the Bennett School, Millbrook, N. Y.
- WILLIAMS, ELEANOR GOLDYN,
Group, English and Philosophy and Psychology, 1921-22.
Yakima, Wash. Prepared by the High School, Yakima, and by the Girls' Collegiate School, Los Angeles, Calif.
- WILLIAMS, ELIZABETH D.,
Group, History and Economics and Politics, 1918-22.
Wilkes-Barre, Pa. Prepared by Wilkes-Barre Institute.
- WILSON, ELIZABETH MARSHALL, . . . *Group, ———*, 1921-22.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- WILSON, HELEN VAN PELT,
Group, English and Philosophy and Psychology, 1919-22.
Moorestown, N. J. Prepared by the Shipley School, Bryn Mawr, Pa.
- WINTHROP, RUTH MARGARET, . . . *Group, French and History*, 1921-22.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa. Lower Merion High School Scholar, 1921-22.
- WISE, JUSTINE DOROTHY,
Group, Economics and Politics and Philosophy and Psychology, 1920-22.
New York City. Prepared by the Horace Mann School, New York City.

- WOOD, SARAH, *Group, Physics and Chemistry*, 1920-22.
Dingmans Ferry, Pa. Prepared by the Milford High School, Milford, Pa., and by private tuition.
- WOODRUFF, ALICE HUTCHINSON,
Group, Economics and Politics and Psychology, 1918-22.
Scranton, Pa. Prepared by the Central High School, Scranton.
- WOODWORTH, MARY KATHARINE, *Group, Greek and ———*, 1920-22.
Philadelphia. Prepared by the Philadelphia High School for Girls. Philadelphia City Scholar, 1920-22; Maria Hopper Sophomore Scholar and Special Maria Hopper Sophomore Scholar, 1921-22.
- WOODWORTH, ALLEGRA, *Group, History and ———*, 1921-22.
Philadelphia. Prepared by the Philadelphia High School for Girls. Trustees' Scholar, 1920-22.
- WYCKOFF, LILLIAN, *Group, Chemistry and Biology*, 1918-22.
Norwich, Conn. Prepared by the Norwich Free Academy. Bryn Mawr Matriculation Scholar for the New England States and Special Frances Marion Simpson Scholar 1918-19; James E. Rhoads Sophomore Scholar, 1919-20; James E. Rhoads Junior Scholar, 1920-21; Anna Powers Memorial Scholar, 1921-22.
- YEATMAN, JANE BELL,
Group, History and Economics and Politics, 1918-19, 1920, 1920-22.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Shipley School, Bryn Mawr, Pa.
- YOUNG, FRANCES KEMPER, . . . *Group, Italian and History of Art*, 1919-22.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1919-20.

SUMMARY OF STUDENTS.

	Total for Year.
Class of 1922.....	72
Class of 1923.....	78
Class of 1924.....	99
Class of 1925.....	115
Class of 1926.....	4
Hearers.....	2
	— 370
Resident Fellows.....	14
Graduates.....	80
	— 94
Total.....	464

BRYN MAWR COLLEGE.

BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the women's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

*Introductory
Statement.*

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate
Students.*

their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

***Fellows
and
Scholars.***

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Five European travelling fellowships, twenty resident fellowships and forty-three graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 211 to 217.

***Under-
graduate
Students.***

Undergraduate students must have fulfilled the requirements for matriculation, stated on pages 169–183, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 184–193.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the college for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers.

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree.

* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary and Registrar of the College.

They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the college, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The
Group
System.*

In all fully organised departments there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English (two years), philosophy and science, are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required year in science permits the student of chemistry and biology to pursue an advanced course in one of these branches, or to take a minor course in physics; and gives, for one year at least, to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy and psychology is a general introduction into the study of the laws, conditions, and history of thought.

*Required
Courses.*

Post-Major Courses. In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

Free Elective Courses All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

Courses of Study. There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, French, Italian, Spanish, German, Modern History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, Education, and Theoretical Music.

Graduate courses are offered in Sanskrit and comparative Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, Modern and Old French, Italian, Spanish, and other Romance Languages, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Social Economy and Social Research, Philosophy, Psychology, Education, Classical Archæology, History of Art, Theoretical Music, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, and Physiology.

Courses in Language and Literature. The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature.

Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin, will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

The undergraduate and graduate courses offered in the years 1921-22 and 1922-23 are as follows: *Courses of Instruction.*

Sanskrit, Greek and Latin.

Professors and Instructors: Dr. Wilmer Cave Wright, Dr. Arthur Leslie Wheeler,* Dr. Henry Nevill Sanders, Dr. Mary Hamilton Swindler, Dr. Susan Helen Ballou, Mr. James Alexander Kerr Thomson, and Miss Abby Kirk.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Comparative Philology.

GRADUATE COURSES.

Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Graduate Courses.

Students entering this seminary are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on

* Granted sabbatical leave of absence for the year 1921-22. The courses offered by Professor Wheeler are given by Mr. Thomson.

comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology. The courses in Elementary and Second Year Sanskrit will not in general be offered in the same year.

Seminary in Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the *Prākṛit*; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-eight hours of lectures and recitations a week, apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Elementary Greek; ten hours a week of undergraduate major and minor work; two hours a week of free elective; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

Elementary Course.

A course of five hours a week throughout the year is provided for those students that wish to study Greek and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the elementary course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that

have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

In 1922-23 and in 1923-24 an elective elementary course of two hours a week during the first semester in Homer will be given by Miss Kirk for students who have offered the two-point Greek examination in Grammar and Composition and Prose Authors in order to prepare them to enter the minor course in Greek.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Plato, *Apology* and *Crito* or *Protagoras* or *Phædo*, and Greek Prose Composition, Dr. Sanders. *Two hours a week.*

Sophocles, *Antigone*, Dr. Sanders. *One hour a week.*

Homer, *Odyssey*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

Major Course.

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders. *Two hours a week.*

Herodotus, Dr. Sanders. *One hour a week.*

Homer, *Iliad*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examinations for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

SECOND YEAR

1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders. *Two hours a week.*

Work in Greek prose composition is given in connection with this course.

Aristophanes, Dr. Sanders. *One hour a week.*

History of Greek Literature, Ionio-Dorian and Attic periods, Dr. Wright. *Two hours a week.*

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

Private reading: *Æschylus, Prometheus Vincit*, ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; *Æschylus, Prometheus Vincit*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Thucydides, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Sophocles, Dr. Sanders.

One hour a week.

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: *Æschylus, Persæ* ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; *Æschylus, Prometheus Vincit*, ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

Group: Greek with any language, or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Classical Archæology, or with Mathematics.

FREE ELECTIVE COURSES.

Free Elective Courses.

Greek Religion and Greek Myths, Dr. Wright.

Two hours a week during the first semester.

(Given in each year.)

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths. This course may be offered as part of the minor course in Ancient History, or as part of the minor course in Classical Archæology.

Literary Geography of Greece and Asia Minor, Dr. Wright.

Two hours a week during the second semester.

(Given in each year.)

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history. It may be offered as part of the minor course in Ancient History or as part of the minor course in Classical Archæology.

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Classical Archæology. See pages 125 to 126.

POST-MAJOR COURSES.

Post- Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges grad-

uate students frequently find it advisable to elect some of these courses. No student that has not completed the equivalent of the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1921-22 the following post-major courses are offered:

1st Semester.

Æschylus, <i>Oresteia</i> , Dr. Sanders.	<i>Two hours a week.</i>
Fourth Century Critics, Dr. Sanders.	<i>One hour a week.</i>
Palatine Anthology, Dr. Wright.	<i>Two hours a week.</i>

2nd Semester.

Pindar, Dr. Sanders.	<i>Two hours a week.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> , Dr. Sanders.	<i>One hour a week.</i>
Sophocles, <i>Ajax</i> , Dr. Wright.	<i>Two hours a week.</i>

In 1922-23 the following post-major courses are offered:

1st Semester.

Minor Orations of the Attic Orators, Dr. Sanders.	<i>Two hours a week.</i>
Sophocles, <i>Ædipus Coloneus</i> , Dr. Sanders.	<i>One hour a week.</i>
Melic Poets, Dr. Wright.	<i>Two hours a week.</i>

2nd Semester.

Æschylus, <i>Agamemnon</i> , Dr. Sanders.	<i>Two hours a week.</i>
Greek Prose Composition and the Evolution of Style, Dr. Sanders.	<i>One hour a week.</i>
Plato, <i>Republic</i> , Dr. Wright.	<i>Two hours a week.</i>

In 1923-24 the following post-major courses are offered:

1st Semester.

Æschylus, <i>Eumenides</i> , Dr. Sanders.	<i>Two hours a week.</i>
Sophocles, <i>Trachiniæ</i> , Dr. Sanders.	<i>One hour a week.</i>
Theocritus, Dr. Wright.	<i>Two hours a week.</i>

2nd Semester.

Greek Rhetoricians and Prose Composition, Dr. Sanders.	<i>One hour a week.</i>
Bacchylides, Dr. Sanders.	<i>One hour a week.</i>
Euripides, <i>Bacchæ</i> , Dr. Sanders.	<i>One hour a week.</i>
Æschylus, <i>Septem</i> , or Lucian, Dr. Wright.	<i>Two hours a week.</i>

GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

Graduate Courses.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports on this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archaeology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see page 126.

Greek Seminary, Dr. Sanders.

Three hours a week throughout the year.

(Given in each year.)

In 1921-22 Greek Orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1922-23 Greek historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1923-24 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism will be devoted to Sophocles. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

Greek Seminary, Dr. Wright.

Two hours a week throughout the year.

(Given in each year.)

In 1921-22 the Homeric Question is the subject of the seminary; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archaeologists, linguists, historians of myths, and æsthetic critics are taken up and criticized in detail.

In 1922-23 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1923-24 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by

the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarizing the students with the achievements of scholarship and the general field of Platonic literature up to the present day. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

Greek Journal Club, Dr. Sanders and Dr. Wright.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler,* Professor of Latin; Dr. Mary Hamilton Swindler, Associate in Latin and Archæology; Dr. Susan Helen Ballou, Associate in Latin, and Mr. James Alexander Kerr Thomson, Lecturer in Latin. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

FIRST YEAR.

(Minor Course.)†

1st Semester.

(Given in each year.)

Cicero, *Letters*, Dr. Wheeler,* Dr. Swindler, and Dr. Ballou.

Three hours a week.

Horace, *Odes*, *Epodes* and *Selected Satires*, Dr. Wheeler,* Dr. Swindler, and Dr. Ballou.

Two hours a week.

(May be taken as a free elective.)

The class is divided into three sections, each of which is assigned to a different instructor in the first and in the second semester.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five-hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three-hour course in Cicero only read one-half of *Livy I* (selections) in each semester.

2nd Semester.

Terence, *Phormio*, *Adelphoe*, and Petronius, *Cena*, *Trimalchionis*, Dr. Wheeler,* Dr. Swindler, and Dr. Ballou.

Three hours a week.

* Granted sabbatical leave of absence for the year 1921-22. The courses offered by Professor Wheeler for this year are given by Mr. J. A. K. Thomson.

† For regulations regarding the passing off of the Minor Latin, see footnote, page 174.

**Major
Course.**

Selections from Catullus, Lucretius, and Vergil, *Eclogues*, Dr. Wheeler,*
Dr. Swindler, and Dr. Ballou. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Livy I (selections) must be read by students taking the five-hour course. Livy I (selections) (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only.

SECOND YEAR.

1st Semester.

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.*

Three hours a week.

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

Lectures on Latin Literature, Dr. Ballou.

Two hours a week.

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Suetonius, *Tiberius* must be read by students taking the five-hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Suetonius, *Tiberius* (first half) must be read by students taking the course in Latin Literature only.

2nd Semester.

Latin Comedy, Plautus, Martial, *Epigrams*, Dr. Wheeler.*

Three hours a week.

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Four or five plays and selected epigrams are read in class.

Lectures on Latin Literature (continued), Dr. Ballou.

Two hours a week.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five-hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy; Suetonius, *Tiberius* (second half) must be read by students taking the course in Latin Literature only.

Group: Latin with any language, or with Philosophy, or with Classical Archæology, or with Mathematics.

POST-MAJOR COURSES.

**Post
Major
Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1921-22 and again in 1923-24 the following post-major courses are offered:

1st Semester.

Roman Satire, Dr. Wheeler.*

Two hours a week.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

Lucretius and Catullus, Dr. Ballou.

Three hours a week.

Selections from the *De Rerum Natura* and from the lyrics of Catullus are read.

Latin Prose Composition, Dr. Ballou.

Two hours a week.

This course is especially recommended to students who intend to teach Latin. It meets one hour a week and one hour is given to interviews and individual work.

2nd Semester.

Roman Satire (continued), Dr. Wheeler.*

Two hours a week.

Latin Prose Composition (continued), Dr. Ballou.

Two hours a week.

Cicero and Cæsar, Dr. Ballou.

Three hours a week.

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

In 1922-23 and again in 1924-25 the following post-major courses are offered:

1st Semester.

Roman Elegy, Dr. Wheeler.

Two hours a week.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Ballou.

Three hours a week.

The larger part of the *Æneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Ballou.

Two hours a week.

This course is especially recommended to students who intend to teach Latin. It meets one hour a week, the remaining hour being given to interviews and individual work.

2nd Semester.

Roman Elegy (continued), Dr. Wheeler.

Two hours a week.

Roman Prose of the Empire, Dr. Ballou.

Three hours a week.

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix are read.

Latin Prose Composition (continued), Dr. Ballou.

Two hours a week.

* See footnote, page 61.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to seven hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Lyric Poetry, Elegy, and Comedy, and Latin Palæography, Roman Epic Poetry, and Cicero's Correspondence. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

Three hours a week throughout the year.

(Given in each year.)

In 1921-22 * Latin Comedy is the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoedæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1922-23 Roman Lyric in the Period of the Republic will be the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1923-24 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarize themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus, see Roman Lyric.

* See footnote, page 61.

Latin Seminary, Dr. Ballou.

*Two hours a week throughout the year.**(Given in each year.)*

In 1921-22 the subject of the first semester is Latin Palæography. The facsimiles in the collections of Chatelain, Zangemeister and Wattenbach, and Arndt furnish acquaintance with the more important Roman and mediæval literary hands, and photographic reproductions are used for practical exercises in collation and text-emendation. In the second semester Pliny's Correspondence with Trajan forms the basis of the application of palæographic principles to text-criticism, and also for a study of Roman provincial administration.

In 1922-23 Cicero's correspondence will be the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the students' acquaintance with the Roman civilisation of Cicero's day.

In 1923-24 the subject of the seminary will be Roman Epic. After a preliminary study of the fragments of Naevius, Ennius and other epic writers of Republican Rome, the remainder of the year will be devoted to the Aeneid. There will be lectures and the students will present reports bearing on Vergil's sources and technique and the text of the poems.

Latin Journal Club, Dr. Wheeler, Dr. Swindler and Dr. Ballou.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and Instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly,* Dr. Carleton Brown, Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew,† Dr. Howard James Savage, Mr. Samuel Arthur King, Dr. Agnes Rutherford Riddell, Miss Marcelle Pardé,§ Dr. Eduard Prokosch, Mr. Claude Gilli, Dr. Charles Emil Kany, Dr. John William Draper, Dr. Helen Sard Hughes (elect), Dr. Christine Sarauw, Miss Katharine Forbes Liddell, Miss Amphilis T. Middlemore, Miss Mary Underhill, Miss Marthe Jeanne Trotaïn, Mrs. Helene Buhlert Bullock (elect), Miss Marguerite Capen Hearsey (elect), and Miss Margaret Kingsland Haskell.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly,* Professor of English, Dr. Carleton Brown, Professor of English Philology, Dr. Regina Katharine Crandall,

* Granted leave of absence for the year 1922-23. The courses announced by Professor Donnelly for this year will be given by Dr. Helen Sard Hughes.

† Granted leave of absence for the year 1921-22. The courses announced by Dr. Chew for this year are given by Dr. John William Draper.

§ See footnote, page 73.

Professor of English Composition, Dr. Samuel Claggett Chew,* Professor of English Literature, Dr. Howard James Savage, Associate Professor of Rhetoric and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. John William Draper, Lecturer in English Literature, Dr. Helen Sard Hughes, Lecturer (elect) in English Literature, and Miss Katharine Forbes Liddell, Miss Amphilis T. Middlemore, Miss Mary Underhill, Mrs. Helene Buhlert Bullock (elect) and Miss Marguerite Capen Hearsey (elect), Instructors in English, and Miss Margaret Kingsland Haskell, Reader in English.

The instruction offered in English covers forty-six hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with philosophy, or with philosophy and psychology, or as a free elective; eight hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Composition, Anglo-Saxon, and Early and Middle English.

***Required
Course.***

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition, though not connected with the lectures on literature and language, may not be elected separately. The courses are required to be taken in the order given below. The first year course must be completed before the second year course is taken and English Composition, Part I, must precede the first year lectures on the History of English Literature. The second year course in History of English Literature must precede the course in English Composition, Part II.

* See footnote, page 65.

FIRST YEAR.

*1st Semester.**(Given in each year.)*

General English Composition, Part I, Dr. Savage, Miss Liddell, Miss Middlemore, Miss Underhill. *Four hours a week.*

For the most part, the course is concerned with a rapid survey of the elements of usage and discourse, and with the study of exposition, argument, and allied topics and forms. Some attention is paid to oral composition. The written work consists of papers both short and long and various exercises. Conferences between instructor and student form an important part of the work. Much stress is laid upon illustrative reading. The class meets once, and sometimes twice, a week; the divisions meet regularly twice each week.

The Principles of Articulation, Mr. King.

One hour a fortnight.

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

2nd Semester.

Lectures on the History of English Literature, Miss Donnelly.*

Five hours a week.

Beginning with a history of the English language and Anglo-Saxon literature, the lectures give a brief introduction to the study of early Teutonic literature and mythology. The history of English literature to the death of Spenser and of mediæval literature, occupies the second half of the course.

The Principles of Articulation (continued), Mr. King.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Lectures on the History of English Literature from the death of Spenser to the present time, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly.* *Five hours a week.*

The Sonant Properties of Speech, Mr. King.

One hour a fortnight.

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

2nd Semester.

General English Composition, Part II, Dr. Savage, Miss Liddell, Miss Middlemore, Miss Underhill. *Four hours a week.*

In this course the work of the first year is continued with reference to biography, description, narration, and allied forms and topics. The arrangements as to papers, reading, conferences, class meetings, and similar matters are like those for the first year.

The Sonant Properties of Speech, Mr. King.

One hour a fortnight.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses. Any of the courses, except the courses in English Drama, in English Fiction in the

Major Course.

* See footnote, page 65.

nineteenth century, in English Literature from Dryden to Johnson, and the courses in Shakespeare and in Middle English Poetry, and Chaucer, may be taken separately as free electives by students that have completed the required course. All students taking a major course in English must take one course in language, and those students who wish to specialise in language must take at least one course in literature.

FIRST YEAR.

*1st Semester.**Minor Course. (Literature.)*

English Critics of the Nineteenth Century, Dr. Chew.* *Five hours a week.*

(Given in each year.)

Carlyle, Ruskin, Huxley, Arnold, Pater, and Morley and, if time allows, two or three other writers, are studied with regard to their theories of criticism and their influence upon the thought of their time. A report is required from each student attending this course.

2nd Semester.

English Romantic Poets, Miss Donnelly.

Five hours a week.

(Given in 1921-22 and again in 1923-24.)

The poets studied in this course are Wordsworth, Coleridge, Shelley, Byron, and Keats. Their works are discussed in class in connection with questions of poetics and literary theory and reports are required from students attending the course.

English Poetry, 1850-1914, Dr. Chew.

Five hours a week.

(Given in 1922-23 and again in 1924-25.)

A rapid review of the progress of poetry during the first half of the nineteenth century is followed by more detailed study of the poets of the later period.

*1st Semester.**Language.*

Anglo-Saxon Prose and Beowulf, Dr. Brown.

Five hours a week.

(Given in 1922-23 and again in 1924-25.)

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Wyatt and Chambers's text) and the first two-thirds of the poem is read with the class.

2nd Semester.

Middle English Poetry and Chaucer, Dr. Brown.

Five hours a week.

(Given in 1921-22 and again in 1923-24.)

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Lectures are given on the development of the language and literature during the period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

SECOND YEAR.

*1st Semester.**Literature.*

The Elizabethan and Jacobean Drama, Dr. Chew.*

Five hours a week.

(Given in each year.)

* See footnote, page 65.

A large number of plays by the dramatists from Lyly and Marlowe to Ford and Shirley are read. The lectures deal in part with aspects of contemporary life as reflected in the drama. A report is required from each student attending the course.

2nd Semester.

English Literature from Dryden to Johnson, Dr. Chew.* *Five hours a week.*

(Given in 1921-22 and again in 1923-24.)

The poets from Butler to Thomson; the philosophers from Hobbes to Hume; the novel from Defoe to Fielding; the beginning of English historical writing, and the essayists, are the chief subjects studied in this course.

English Fiction in the Nineteenth Century, Dr. Savage. *Five hours a week.*

(Given in 1922-23 and again in 1924-25.)

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

Language.

1st Semester.

Middle English Romances, Dr. Brown.

Five hours a week.

(Given in 1921-22 and again in 1923-24.)

Selected romances in Middle English are read by the members of the class. The lectures deal with the development of Romance literature in Europe with special reference to the romances of the Arthurian cycle, and the discussion includes a review of the development of mediæval themes in later periods.

2nd Semester.

Shakespeare, Dr. Brown.

Five hours a week.

(Given in 1922-23 and again in 1924-25.)

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work. The plays usually chosen are: *Romeo and Juliet*, *Henry V*, *Hamlet*, *Othello* and *Winter's Tale*. Some of the more general problems connected with these plays are discussed in introductory lectures and various topics are taken up, such as the principles of tragedy and comedy, the use of allegory and the development of Shakespearean criticism.

Group: English with any language, or English with Philosophy, or English with Philosophy and Psychology, or English with History of Art.

FREE ELECTIVE COURSES.

The Technique of the Drama, Dr. Savage. *Two hours a week throughout the year.*

(Given in 1921-22 and again in 1923-24.)

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the making of scenarios, adaptation, and the writing of original plays; and with the observation of dramatic technique in plays read and seen.

Materials and Methods of Teaching Composition, Dr. Savage.

Two hours a week during the second semester.

(Given in 1921-22 and again in 1923-24.)

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of instruction in composition: the planning and supervision of courses, reports on various subjects, and allied problems. Practice in presentation is gained through reports of varying character and length.

**Free
Elective
Courses**

* See footnote, page 65.

Argumentation, Dr. Crandall.*Two hours a week throughout the year.**(Given in each year.)*

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Daily Themes, Dr. Crandall.*Two hours a week during the first semester.**(Given in 1921-22 and again in 1923-24.)*

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Criticism, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

The course includes a study of the principles of criticism and the writing of critical expositions, the essay, and kindred forms. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

The Short Story, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

The course deals with various forms of narrative, more especially the short story, and includes a study of the work of representative authors, both English and French. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Versification, Dr. Crandall.*Two hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

The course is not historical but theoretical and practical. Students are required to write short exercises in verse every week. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Reading of Shakespeare, Mr. King.*One hour a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

General Reading of Prose Authors, Mr. King.*One hour a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.

GRADUATE COURSES.**Graduate Courses**

There are offered each year distinct graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The

graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Professor Crandall offers in each year a seminary for foreign students who have come intending to study American literature and to prepare for examinations in it abroad. Professor Savage offers in each year special instruction in English composition to graduate students approved by the Department of English.

No undergraduates are admitted to graduate courses.

Seminary in English Literature, Miss Donnelly.

Two hours a week throughout the year.

(Given in alternate years.)

In 1922-23 * Eighteenth Century Prose will be the subject of the seminary. Swift, Addison and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1924-25 the Romantic Poets will be the subject of the seminary. Special attention is paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent are discussed.

In 1926-27 Donne and Milton are the subjects of the seminary. They are studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

Seminary in Middle English, Dr. Brown.

Three hours a week throughout the year.

(Given in each year.)

In 1921-22 the Beginnings of English Drama are the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles is studied. In considering the morality plays their connection with mediæval allegories, debates, and didactic treatises is specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1922-23 Middle English Romances will be the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, Arthurian cycle, romances of Germanic origin, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

* See footnote page 65.

In 1923-24 the seminary will study *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

Seminary in English Literature, Dr. Chew.

Three hours a week throughout the year.

(Given in each year.)

In 1921-22 the seminary is conducted by Dr. Draper and the subject is Spencer and his influence in the seventeenth, eighteenth and nineteenth centuries.

In 1922-23 various aspects of the literature of the Victorian era will be studied.

In 1923-24 the seminary will study the Elizabethan and Jacobean Drama.

Seminary in English Composition, Dr. Crandall.

Two hours a week throughout the year.

The chief business of the seminary is the discussion and criticism of the students' own writing. Its aim is to make familiar and apply the principles and standards of criticism that have developed with the development of literature; the subject of study in each year is adapted to the purpose and interests of the students.

In 1921-22 the seminary studies the manner of writers of biography and memoirs, among others Boswell, Lord Morley and Henry Adams.

In 1922-23 the subject of the seminary is historical writing and includes a study of the manner of Gibbon, J. R. Green, Motley, Parkman, and other historians.

In 1923-24 modern fiction, English, French, and Russian, is the subject of the seminary.

Seminary in American Literature for Foreign Students, Dr. Crandall.

Two hours a week throughout the year.

(Given in each year.)

The subject of the seminary is the history of American literature, more especially in the latter half of the nineteenth century. The seminary is intended primarily for foreign students and may not be counted for the degree of Doctor of Philosophy.

English Historical Grammar, Dr. Brown. *Two hours a week throughout the year.*

(Given in 1922-23 and again in 1924-25.)

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English. The students examine various documents of the different periods to discover evidence of the operation of linguistic principles.

Cynewulf and Cædmon, Dr. Brown.

Two hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

Several of the poems traditionally ascribed to those authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

Beowulf, Dr. Brown.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

This course begins with a careful textual study of the *Beowulf*. After discussing the problems of editing, a general survey of *Beowulf* criticism is presented including theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

Technical and Advanced Criticism, Dr. Savage.

*Two hours a week during the first semester.**(Given in each year.)*

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, oral composition and other matters. Materials collected for other courses in research are available for use in this work.

General Course in Articulation and Voice Production, Mr. King.

One-half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phoretic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties. This is a special course for graduate students.

English Journal Club, Miss Donnelly,* Dr. Brown, Dr. Chew,* Dr. Crandall, Dr. Savage and Dr. Draper.

*One and a half hours a month throughout the year.**(Given in each year.)*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Associate Professor of French; Mr. Claude Gilli, Associate Professor of Old French; Miss Marcelle Pardé,† Associate in French, and Miss Marthe Jean Trotaïn, Instructor in French.

The instruction offered in French covers thirty-nine hours of lectures and recitations a week; it includes five hours a week of elementary French; ten hours a week of undergraduate major and minor work; eight hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; two hours of free elective, and fourteen hours a week of graduate work in modern French literature and in Old French literature and language. All the courses in French except the elementary course and the seminary in philology are conducted in the French language.

A class for beginners in French five hours a week throughout the year is provided open only to students who intend to take the major course. By great diligence students taking this course may acquire sufficient

Elementary Course.

* See footnote, page 65.

† Granted leave of absence for the year 1922-23. The courses announced by Miss Pardé will be given by Miss Trotaïn and by an instructor whose appointment will be announced later.

knowledge to be admitted into the first year of the major course in French. This course is given by Miss Trotain in 1921-22 and will be given in 1922-23 by an instructor whose appointment will be announced later.

Major Course.

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral reading, Dr. Schenck and Miss Pardé.*

Three hours a week.

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to give them a general survey of Modern French literature.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Dr. Schenck and Miss Pardé.*

Two hours a week.

In the first semester selections from the poetry of Victor Hugo are read in class; in the second semester Balzac's *Eugénie Grandet* is read. In the course in syntax and composition Goodrich, *French Composition*, is used. The courses are given in two divisions, one conducted by Dr. Schenck and one by Miss Pardé.*

2nd Semester.

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral reading (continued), Miss Pardé* and Miss Trotain.

Three hours a week.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Miss Pardé* and Miss Trotain.

Two hours a week.

The courses are given in two divisions, one conducted by Miss Pardé* and one by Miss Trotain.

Advanced Standing.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a short passage of every-day idiomatic English.

* See footnote, page 73.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Lectures on the history of French Literature in the seventeenth century, accompanied by collateral reading, Miss Trotain. *Three hours a week.*

Critical Readings in the Literature of the seventeenth century. Studies in French Style and Composition, Mr. Gilli. *Two hours a week.*

2nd Semester.

Lectures on the history of French Literature in the eighteenth century, accompanied by collateral reading, Dr. Schenck. *Three hours a week.*

Critical Readings in the Literature of the eighteenth century. Studies in French Style and Composition, Dr. Schenck. *Two hours a week.*

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question in French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work.

**Advanced
Standing.**

Group: French with any language, or with Modern History, or with History of Art.

FREE ELECTIVE COURSE.

Modern Tendencies in French Literature, Dr. Schenck.

*Two hours a week throughout the year.**(Given in each year.)*

Contemporary French writers are studied in relation to their predecessors and to modern movements. Lectures, class discussion, and reports are in English; the reading in connection with the course is in French.

Only those students will be admitted who have completed the course in General English Literature or the course in Major French Literature, and have passed the general language examination in French in the autumn preceding their registration for this course, or have had training equivalent to this. In special cases, where the general language examination has not been taken, the student must satisfy the instructor that her knowledge of French is sufficient for the course.

**Free
Elective
Course**

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post
Major
Courses.**

The Short Story (*Nouvelle*) in the nineteenth century, Dr. Schenck.*Two hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

Modern French Drama, Dr. Schenck.

*Two hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

The course begins with a study of the plays of the Romantic period, and traces the development of French drama throughout the nineteenth century to the present day. The course is conducted by means of lectures, class-room discussion, and reports.

Advanced French Composition, Mr. Gilli.

*Two hours a week throughout the year.**(Given in each year.)*

Introduction to a Study of Historical French Grammar, Mr. Gilli.

*One hour a week throughout the year.**(Given in each year.)*

In this course the formation and development of French grammar will be studied with special emphasis on Modern French.

Evolution of French Lyric Poetry, Miss Trotain.

*Two hours a week throughout the year.**(Given in 1922-23.)*

The origins of modern French lyric poetry are discussed with special emphasis on the poets of the "Pléiade." The romantic movement, l'Ecole du Parnasse, and the later nineteenth century poets are also studied.

The Development of Social Ideals in French Literature, Miss Pardé.

*Two hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

The following types will be studied: "Le chevalier" of the Middle Ages (La Chanson de Roland); "l'escolier" (François Villon); "l'homme de la Renaissance" (Montaigne, Rabelais); "l'honnête homme" of the 17th century (Molière, La Fontaine, Pascal); "le philosophe" of the 18th century (Voltaire, Rousseau); "le romantique" of the 19th century (Lamartine, Musset); "l'intellectuel" (Renan, Anatole France).

Masterpieces of French Literature, Miss Pardé.*

*One hour a week throughout the year.**(Given in each year.)*

This course will be conducted according to the method of the *Explication de Textes* used in the French Universities. The texts chosen will represent typical phases of the French genius and vary from year to year, being chosen from the authors read in the course in Development of Social Ideals, and the course may be taken in two consecutive years.

GRADUATE COURSES.

Graduate Courses.

Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses, covering the field of Old and Modern French Language and Literature are arranged

*See footnote, p. 73.

to form a triennial cycle. The work of each year centers about one main topic to be studied as a part of the history of French literature in its various relations to the general literature and civilisation of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

Seminary in Modern French Literature, Dr. Schenck.

Two hours a week throughout the year.

(Given in each year.)

In 1921-22 the subject of the seminary is Nineteenth Century Drama. After a rapid survey of the theatre of the eighteenth century a careful study is made of the drama of Hugo, Dumas père, Vigny, and Musset, and the extent of the influence of Shakespeare on French romantic drama. The rise and development of realistic comedy are studied and the course closes with an examination of Post-Realism and Symbolism in contemporary French drama.

In 1922-23 the subject of the seminary will be Romanticism and Realism. The origins of romanticism are examined in the rise of "*le cosmopolitisme littéraire*," in eighteenth century French literature and especially in the works of Rousseau and Madame de Staël.

A parallel study of the theories underlying literary and historical realism is made in connection with Taine, Renan, Zola, and Maupassant.

In 1923-24 the subject of the seminary will be Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study will be made of the origin and development of the theory of *L'art pour l'art*.

Seminary in Mediæval French Literature, Mr. Gilli.

Two hours a week throughout the year.

(Given in each year.)

The work expected of graduate students in the seminary in Mediæval French Literature consists of a first hand knowledge of the texts, a review of the opinions expressed by the leading specialists on each subject and a critical discussion of the work in question. The reports are intended to train graduate students in literary research. Students are expected to have a good reading knowledge of Old French and it is recommended that the course in Advanced Old French philology be taken together with this seminary.

In 1921-22 the subject of the seminary is the origin and development of the *Chansons de Geste* and their influence in other European countries with special attention given to the *la geste royale*.

In 1922-23 *La Fable Esopique* and the *Roman de Renard* will be the subject of the seminary. The course will include a study of the *Æsopic fables* in the Middle Ages and treats in detail the extent to which the *Roman de Renard* is based on these fables. The *Ysopet* of Marie de France and the best "branches" of Renard are read.

In 1923-24 the subject of the seminary will be the *Matière de Bretagne et l'Épopée Courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan and the *Romans* of Chrétien de Troyes. These are studied in connection with the question of their origin in Celtic countries and their later development in France.

Old French Philology, Mr. Gilli.

*Three hours a week throughout the year.**(Given in each year.)*

Historical Grammar of Old French, followed by Critical Reading of Old French texts. This course is equivalent to a full seminary and counts as such.

Introduction into the Study of Romance Philology, Mr. Gilli.

*One hour a week throughout the year.**(Given in each year.)*

The study of Vulgar Latin and its evolution in the various parts of the Roman Empire. A critical study of Inscriptions and Glossaries. In the second semester a comparative study of the Phonology of Old Provençal, Old Italian, and Old Spanish will be combined with a special study of easy Old Provençal texts. It is recommended that the course be taken together with advanced Old French Philology or Mediæval French Literature. Graduate students taking the graduate language courses in Italian and Spanish who have not had this course or its equivalent are strongly advised to take it at the same time, and will be given an allowance of three hours in the work required to make these courses equivalent to seminars. The two courses will together be equivalent to a full seminary and will count as such.

Advanced Old French Philology, Mr. Gilli.

*One hour a week throughout the year.**(Given in each year.)*

This course is open only to graduate students who have already taken the graduate course in Old French Philology or its equivalent.

The different dialects of Old French, the reconstruction of texts from the MSS., and the elements of Palæography are the subjects of the course. It is recommended that this course be taken together with the Introduction to the Study of Romance Philology. The two courses will together be equivalent to a full seminary and will count as such.

Advanced Romance Philology, Mr. Gilli. *One hour a week throughout the year.**(Given in each year.)*

This course is open only to graduate students who have already taken the graduate course in the Introduction to the study of Romance Philology or its equivalent.

The comparative philology of the various Romance languages including Roumanian is studied with a special consideration of the various Italian dialectical forms.

Anglo-Norman, Mr. Gilli.

*One hour a week throughout the year.**(Given in each year.)*

This course is specially intended for students of Mediæval English language and literature who are recommended to take the course.

Old Provençal, Mr. Gilli.

*One hour a week throughout the year.**(Given in each year.)*

Historical Grammar of the Old Provençal language followed by a study of Old Provençal texts.

Modern French Literature, Miss Pardé.*

*Three hours a week throughout the year.**(Given in each year.)*

The method used in advanced literary instruction in France and known as the '*Explications de textes*' will be employed, students being required to give oral lessons and to write many short papers.

In 1921-22 authors of the eighteenth century are studied.

In 1922-23 seventeenth century authors will be studied.

In 1923-24 the period selected will be the sixteenth century.

*See footnote, p. 73.

Romance Languages Journal Club, Dr. Schenck, Mr. Gilli, Miss Pardé, Dr. Riddell, Dr. DeHaan, Dr. Kany, and Miss Trotain.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology.

Italian.

The instruction in this department is given by Dr. Agnes Rutherford Riddell, Associate in Italian, Dr. Walter L. Bullock, Associate (elect) in Italian, and Dr. Christine Sarauw, Instructor in Italian, Spanish and German.

The instruction offered in Italian covers nineteen hours of lectures and recitations a week; it includes five hours a week of elementary Italian, ten hours a week of undergraduate minor and major work; two hours a week of post-major work, and two hours a week of graduate work in Italian literature.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group. Students may thus elect ten hours of Italian or five hours of Italian and five hours of Spanish to form a major course.

A class for beginners in Italian, conducted by Dr. Sarauw, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include Italian may obtain a reading knowledge of the language. Such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in Italian.

Elementary Course.

The major course in Italian presupposes as much knowledge as is required to pass the examination at the close of the elementary course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

1st Semester.

(May be taken as a free elective.)

History of Italian Literature, Dr. Riddell.

Three hours a week.

Lectures on the history of Italian Literature, from its beginnings to the death of Dante, accompanied by collateral reading. A special study of the *Divina Commedia*. In 1922-23 this course will be conducted by Dr. Bullock and Dante, Petrarch and Boccaccio will be studied.

Major Course.

Italian Composition, Dr. Riddell.

Two hours a week.

Composition in Italian accompanied by illustrative readings from Italian prose and poetry of the nineteenth and twentieth centuries. Dr. Bullock will conduct the course in 1922-23.

2nd Semester.

History of Italian Literature, Dr. Riddell.

Three hours a week.

The lectures deal with Italian literature from the death of Dante to the end of the fourteenth century, accompanied by illustrative reading. Special study of Petrarch's lyrics and of Boccaccio's *Decameron*. In 1922-23 Dr. Bullock will lecture on Italian literature in the sixteenth century, specially studying the Romances of Chivalry and their development.

Italian Composition, Dr. Riddell.

Two hours a week.

The course is continued as in the first semester.

As far as possible the above courses are conducted in the Italian language, depending on the preparation of the students and the nature of the material studied.

Advanced Standing.

The advanced standing examinations or examinations taken without attendance on the college classes in the minor course in Italian, five hours a week for one or two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college by regular and systematic study, or by residence abroad, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering college. Failure to pass at the first trial will disqualify from further trials.

SECOND YEAR.

*(Major Course.)**(Given in each year.)*

Lectures on the History of Italian Literature, Dr. Riddell.

Three hours a week throughout the year.

In the first semester Italian literature from the Renaissance to modern times and in the second semester Italian literature of the nineteenth and twentieth centuries is studied. The course is conducted in Italian. Assignments of illustrative readings from the more important authors are given on which the students are expected to report in class in Italian.

In 1922-23 this course will be conducted by Dr. Bullock.

Advanced Italian Composition, Dr. Riddell.

Two hours a week throughout the year.

In 1922-23 Dr. Bullock will conduct this course, giving attention to critical reading in 19th century literature and studies in Italian style and composition.

Group: Italian, or Italian and Spanish, with any language, or Italian with History, or with History of Art.

POST-MAJOR COURSE.

Modern Italian Drama, Dr. Riddell.

*Two hours a week throughout the year.**(Given in each year.)*

The course traces the development of the Italian drama. Representative dramas will be read and discussed. In 1922-23 the course will be conducted by Dr. Bullock.

GRADUATE COURSES.

Graduate Courses.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Seminary in Italian Literature, Dr. Riddell.

*Two hours a week throughout the year.**(Given in each year.)*

In 1921-22 the subject of the seminary is the Epic, with special study of Boiardo, Ariosto, and Tasso.

In 1922-23 the seminary will be conducted by Dr. Bullock, the subject being Italian Lyric Poetry of the Renaissance.

In 1923-24 the subject of the seminary will be the Origins of Italian Literature.

If necessary, modifications will be made in the work of the seminary to meet the special requirements of students presenting themselves for it.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan, Professor of Spanish, Dr. Charles Emil Kany, Associate in Spanish, and Dr. Christine Sarauw, Instructor in Italian, Spanish and German.

The instruction offered in Spanish covers nineteen hours of lectures and recitations a week; it includes five hours a week of elementary Spanish; ten hours a week of undergraduate minor and major work; two hours a week of post-major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

A class for beginners in Spanish, conducted by Dr. Sarauw, five hours a week throughout the year is provided, in order that those students whose matriculation examination did not include Spanish may with less difficulty obtain a reading knowledge of the language. Such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in Spanish. In 1921-22 the class met in two divisions, conducted in the first semester by Dr. Sarauw and by Dr. Kany, and in the second semester by Dr. DeHaan and by Dr. Sarauw.

Elementary Course.

Entrance to the major course in Spanish presupposes as much knowledge as is required to pass the examination at the close of the elementary Spanish course.

Major Course.

FIRST YEAR.

*(Minor Course.)**(Given in each year.)*

Spanish, Dr. DeHaan.

Five hours a week throughout the year.

The work of the elementary course is extended by the reading of moderately long and fairly difficult Spanish Prose by representative modern authors, and some plays in verse,

preferably of the classical period. Passages of continuous English prose are translated into Spanish. In 1921-22 Dr. Kany conducted this course in the second semester.

Advanced Standing.

The advanced standing examinations or examinations taken without attendance on the college classes in the minor course in Spanish, five hours a week for one or two semesters may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college by regular and systematic study, or by residence abroad, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials.

SECOND YEAR.

(Given in each year.)

Reading of Classics in Spanish Literature, Dr. DeHaan.

Three hours a week throughout the year.

Advanced Spanish Composition, Dr. DeHaan.

Two hours a week throughout the year.

Group: Spanish or Italian and Spanish with any language, or Spanish with History or with History of Art.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Advanced Spanish, Dr. DeHaan.

Two hours a week throughout the year.

(Given in each year.)

During the first semester Cervantes' *Novelas Ejemplares* and *Don Quijote* are studied; during the second semester the dramatical and poetical works.

The Spanish Short Story, Dr. Kany. *Three hours a week throughout the year.*

(Given in 1921-22 and again in 1923-24.)

This course begins with a study of the Spanish Short Story in the nineteenth and twentieth centuries and traces its origin back to the writers of the Golden Age. A special study is made of the modern tendencies represented by Pardo Bazán, Blasco Ibañez and José Francés. The course includes also a brief survey of the leading short story writers of Latin-America.

GRADUATE COURSES.

Graduate Courses.

Two to four hours a week of seminary work or graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

The graduate seminaries in Spanish are varied from year to year in order that they may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Seminary in Spanish, Dr. DeHaan.

*Two hours a week throughout the year.**(Given in each year provided the courses in Spanish Philology and Old Spanish Readings are not given.)*

In 1921-22 the prose works of Cervantes are studied.

In 1922-23 some typical plays of Lope de Vega will be the subject of the seminary.

In 1923-24 the *Novela picaresca* will be studied.

Spanish Philology, Dr. DeHaan.

*One hour a week throughout the year.**(Offered provided the seminary in Spanish is not given.)*

Old Spanish Readings, Dr. DeHaan.

*One hour a week throughout the year.**(Offered provided the seminary in Spanish is not given.)*

Seminary in Spanish Literature, Dr. Kany.

Two hours a week throughout the year.

In 1921-22 Spanish dramatic literature of the nineteenth century is studied.

German.

The instruction in this department is under the direction of Dr. Eduard Prokosch, Associate Professor of German, and Dr. Christine Sarauw, Instructor in Italian, Spanish and German.

The instruction offered in German covers twenty hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; and five hours a week of graduate work in modern German literature and in Teutonic philology.

A class for beginners in German, conducted by Dr. Sarauw, five hours a week throughout the year, is provided, open only to students who intend to take a major course in German. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in German.

Elementary Course.

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

Major Course.

FIRST YEAR.

*(Minor Course.)**(Given in each year.)*

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Prokosch. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. As much collateral reading as possible, done either in or out of class, will illustrate the lectures. Kummer's *Literaturgeschichte des neunzehnten Jahrhunderts* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private Reading: Grillparzer, *Sappho*, and Fontane, *Effie Briest*, must be read by students taking the course in the first semester; Hebbel, *Agnes Bernauer*, and Frenssen, *Hilligenlei*, must be read by students taking the course in the second semester.

Critical Reading of Modern German Authors, Dr. Prokosch.

Two hours a week throughout the year.

German Grammar and Prose Composition, Dr. Prokosch.

One hour a week throughout the year.

These courses consist primarily of the study and free reproduction of selections from modern German prose and verse.

The course in Grammar and Prose Composition includes a review of grammar based upon Sütterlin's *Deutsche Sprache der Gegenwart*.

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Die Piccolomini*, *Wallenstein's Tod* must be read by students taking the courses in the first semester; Schiller, *Braut v. Messina* must be read by students taking the courses in the second semester.

Advanced Standing.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Prokosch.

Two hours a week throughout the year.

These lectures are delivered in German and discuss chiefly the great classical authors.

Faust-Legend and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts), Dr. Prokosch.*Two hours a week throughout the year.*

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of Faust-like legends in mediæval literature, the Faust-Legend in its most important English and German ramifications will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faust-like literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings.

Private reading: Goethe's *Götz* and *Iphigenie* must be read by students taking the course in the first semester, Lenau's *Faust* and Wagner's *Parzival* must be read by students taking the course in the second semester.

German Prose Composition and Reading, Dr. Prokosch.

One hour a week throughout the year.

In this course the students write German essays and translate selected passages of English prose into German. Lewisohn, *German Style* (Holt & Co.), will be studied and discussed.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Kleist's *Michael Kohlhaas* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students taking this course in the second semester.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses, the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered. **Advanced Standing.**

Group: German with any language, or with History, or with History of Art.

GRADUATE COURSES.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Germanic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries. **Graduate Courses.**

The graduate courses offered in German Philology may be found under the head of General Germanic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Germanic Philology as an associated minor and students who offer Germanic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Seminary in German Literature, Dr. Prokosch.

Two hours a week throughout the year.

(Given in each year.)

It is hoped that the students will become familiar in the seminary with the methods of scientific literary criticism and investigation.

In 1921-22 Goethe is the subject of study in the seminary.

In 1922-23 topics from the classical period of German literature will be studied. Alternative subjects of study will be Luther and the Humanists or Nietzsche.

In 1923-24 the Romanticism of early modern German literature will be studied in the seminary.

Other subjects may be substituted in accordance with the needs of the students.

GENERAL GERMANIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Eduard Prokosch, Associate Professor of German. The

courses given in each year will be selected from among those described below to meet the needs of the graduate students.

Special attention is called to the facilities for the study of comparative Germanic Philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Germanic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Germanic philology, Gothic, and Middle High German grammar, are designed for students in their first year of graduate study in Germanic languages, and the remaining courses for students in their second or third year.

Students intending to elect Germanic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Seminary in Germanic Philology, Dr. Prokosch.

Two hours a week throughout the year.

(Given in each year.)

This seminary is arranged for the benefit of the most advanced students in Germanic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1921-22 the seminary is devoted to High German texts from the fourteenth to the seventeenth century. The material is taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) are also studied.

In 1922-23 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied in the first semester. The many problems that these texts offer and the various attempts to solve them are discussed. In the second semester modern High German texts will be the subject of the seminary.

In 1923-24 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it will be discussed.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Prokosch offers in each year the following courses with the understanding that only a limited number will be given, chosen with regard to the needs of the students.

Introduction to the Study of Germanic Philology, Dr. Prokosch.

One hour a week throughout the year.

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Germanic languages and chiefly of the West Germanic branch.

Gothic, Dr. Prokosch.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Germanic grammar, every graduate student of Germanic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts, Dr. Prokosch.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912). This course is required of all students that make Germanic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German, Dr. Prokosch

One hour a week throughout the year.

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar is studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse, Dr. Prokosch.

Two hours a week throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islandinga sogur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3rd ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

Old High German, Dr. Prokosch.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern

High German. The relations with other cognate languages of the Germanic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Germanic Grammar, Dr. Prokosch.

One hour a week throughout the year.

The study of comparative Germanic philology is recommended to those students only who are acquainted with the single old Germanic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Germanic languages with each other and with the related Aryan languages,—or, in other words, (1) to reconstruct the primitive Germanic language; (2) to point out the characteristic features of primitive Germanic in distinction from primitive Aryan; (3) to carry down the history of early Germanic from the period of unity into the early stages of the individual Germanic languages.

Old Saxon, Dr. Prokosch.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German, Dr. Prokosch.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic Old and Middle High German, Anglo-Saxon, and Old Saxon. A course in Sanskrit is offered which is specially recommended for students of Germanic philology.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. George A. Johnston Ross, Non-resident Lecturer in Christian Ethics. The instruction offered in this department includes two courses, one of three hours a week and one of two hours a week in Oriental History, two hours a week of free elective courses in Biblical Literature, and five hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing, in the year 1892, the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is

especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

MINOR COURSE.

(Given in 1921-22.)

History of the Near East, Dr. Barton. *Three hours a week throughout the year.* **Minor Course.**

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

History of the Far East, Dr. Barton. *Two hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilisations of those lands.

FREE ELECTIVE COURSES.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

**Free
Elective
Courses.**

Biblical Literature, Dr. Barton. *Two hours a week throughout the year.*

(Given in 1921-22.)

History of Christian Doctrine: In the first semester the study is devoted to the Old Testament conceptions of God, Sin, and Redemption, and to Christianity as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the Old Testament.*Three hours a week throughout the year.**(Given in 1922-23.)*

In this course the history of the composition of the books of the Old Testament and their collection into a canon are studied. Special attention is given to the literary form and purpose of each book.

History of the New Testament.*Three hours a week throughout the year.**(Given in 1923-24.)*

In this course the history of the composition and collection of the books of the New Testament is studied. The instruction is given in lectures, and reading is assigned in the New Testament and in modern literature concerning it.

History of Religion.*Three hours a week throughout the year.**(Given in 1922-23.)*

The Religions of the World: The course begins with a study in primitive religions of certain fundamental conceptions. The great historical religions of the world are then studied in outline with special reference to the origin, development, and fundamental ideas of each.

Studies in Christian Ethics, Dr. Ross.*Two hours fortnightly throughout the year.**(Given in 1921-22.)*

A study of the contribution of the New Testament to the moral life of man. Lectures are given on such subjects as the Ethics of Paul and Jesus, the Petrine, Jacobean and Johannine Ethic; Ethics in early Christian literature.

GRADUATE COURSES.

Graduate Courses.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to two hours a week may be elected by graduate students.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1921-22 and again in 1923-24:

Semitic Seminary, Dr. Barton.*Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew, one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Comparative Semitic Grammar, Dr. Barton.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages. This course is to be taken in the fourth year of study of Semitic languages.

Ethiopic, Dr. Barton.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Seminary in Aramaic and Arabic, Dr. Barton.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Egyptian, Dr. Barton.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in Oriental Archæology, Dr. Barton.

One hour a week throughout the year.

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

The following courses are offered in 1922-23 and again in 1924-25.

Semitic Seminary.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1921-22.

Seminary in New Testament Greek.

One hour a week throughout the year.

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a

course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline. A course in Greek equivalent to the major course in Greek in Bryn Mawr College is required of students taking this seminary.

Seminary in the History of Religion.

One hour a week throughout the year.

The work of this seminary may be carried on in either of the following ways: By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view. The time may be devoted to investigating problems connected with one religion.

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew Literature.

One hour a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, Dr. Charles Wendell David, Associate Professor of History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. Wilmer Cave Wright, Professor of Greek.

The instruction offered in history covers forty-one hours of lectures a week; it includes fifteen hours a week of undergraduate major and minor work in modern history and seven hours a week of minor work in ancient history; five hours a week of free elective; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and nine hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of

historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

History of Europe from 1517 to 1789, Dr. William Roy Smith and **Major**
Dr. David. *Five hours a week.* **Course.**

(This course may be taken as a free elective. The class is divided into two sections, one conducted by Dr. W. R. Smith, the other by Dr. David.)

The work of this and of the following semester is designed not to give a summary view of European history but to select and enlarge upon such aspects of it as are essential to the understanding of the modern world. In consequence, more relative attention is devoted to the period after 1789 than to the centuries preceding that date. Among the topics considered during this semester are the ideal of a united Christendom as embodied in the Holy Roman Empire and the Catholic Church, the causes and effects of the Crusades, the rise of national states, the Reformation and the Counter Reformation, the maintenance of a European balance of power, the progress of colonization, the rise of Prussia and Russia and the characteristics of the *ancien régime*. The instruction is given by means of lectures, required reading, written papers, and discussion.

2nd Semester.

History of Europe from 1789 to 1915, Dr. Gray and Dr. David.

Five hours a week.

(This course may be taken as a free elective. The class is divided into two sections, one conducted by Dr. Gray, the other by Dr. David.)

The course deals with the political and social transformation of Europe which was initiated by the French Revolution. The outcome of the Revolution, the career of Napoleon, the absolutist reaction of the early nineteenth century, the successive revolts against this, the formation of modern constitutional governments, the creation of the German Empire and the Kingdom of Italy, the extension of European influence to Asia and Africa, and the treatment of social problems of today are among the topics studied. The instruction is continued by the same methods as in the first semester.

SECOND YEAR.

1st Semester.

History of the Renaissance, Dr. Gray.

Five hours a week.

(Given in each year.)

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

An endeavour is made to indicate in what ways mediæval life and thought were transformed into those of modern Europe. Political, economic, literary, artistic and scientific changes are therefore studied. Since Italians were prominent in the new movements, most attention is given to Italian history, but the innovations of the North, especially those connected with the new Burgundian State, are not neglected. The period extends in a general way from 1250 to 1527.

2nd Semester.

British Imperialism, Dr. William Roy Smith.

Five hours a week.

(Given in each year.)

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

FIRST YEAR.

Ancient History.

(Given in 1921-22.)

History of the Near East, Dr. Barton. *Three hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester.)

This course treats in broad outlines the history of the civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabeans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs.

History of the Far East, Dr. Barton. *Two hours a week throughout the year.*

(Given in 1921-22.)

(This course may be taken as a free elective and may be entered in the second semester.)

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilisations of those lands.

Greek Religion and Greek Myths, Dr. Wright.

Two hours a week during the first semester.

(Given in each year.)

(This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.)

The course treats of the development of Greek religion, the attributes of the Olympian gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

Literary Geography of Greece and Asia Minor, Dr. Wright.

Two hours a week during the second semester.

(Given in each year.)

(This course may be offered as part of the minor course in Ancient History in place of the History of the Far East.)

The course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history.

Group: History with Economics and Politics; History with German, or with French, or with Italian, or with Spanish, or with History of Art.

FREE ELECTIVE COURSES.

History of the United States since 1865, Dr. William Roy Smith.

Two hours a week throughout the year.

(Given in each year.)

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic

**Free
Elective
Courses.**

problems of the present day. They are also taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources.

Civilisation of the Ancient World, Dr. David.

Three hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

Special attention is paid to Greece and Rome; but extended consideration is also given to the subject of pre-history, to the early civilisations of western Asia, Egypt, and the Ægean region, and to the influence of environment, race, and culture upon human development. The evolution of civilisation as a whole, from earliest times to the fourth century A. D., is presented in a single synthesis. A somewhat similar method has recently been adopted by Mr. H. G. Wells in his popular *Outline of History*.

Europe since 1870, Dr. Gray.

Three hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

This course is designed for students who wish to know the genesis and setting of contemporary social and political problems. It is of necessity largely concerned with the causes, progress, and effects of the world war. The rise of Germany as a unified industrial state, her rivalry with her neighbours, the consequent formation of alliances, the immediate antecedents of the war, the military and industrial conduct of it, the appearances of revolutionary governments in central and eastern Europe, the consequences of the peace of Versailles, and the strong position of labour in post-bellum society are among the subjects studied. A year of minor history is a prerequisite and a reading knowledge of French is required.

POST-MAJOR COURSES.

England under the Tudors, Dr. Gray. *Three hours a week throughout the year.*

(Given in 1921-22 and again in 1923-24.)

Attention is given to the rise and character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The readings and reports are based largely on contemporary documents.

American Constitutional History from 1783 to 1865, Dr. William Roy Smith. *Two hours a week throughout the year.*

(Given in 1921-22 and again in 1923-24.)

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the close of the Civil War. Special topics are assigned for discussion and report.

American Constitutional History to 1783, Dr. William Roy Smith.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

The members of the class are required to use not only the general authorities, but also colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

The French Revolution and Napoleon, Dr. David.

Three hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

**Post-
Major
Courses.**

GRADUATE COURSES.

Three distinct seminaries, two in Mediæval and Modern European history, and one in American history are offered to graduate students in history in addition to a course in Historical Bibliography and Criticism and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Seminary in Mediæval and Modern European History, Dr. Gray.

Three hours a week throughout the year.

(Given in each year.)

In 1921-22 the seminary is concerned with the history of England during the Hundred Years' War. Diplomatic negotiations, innovations in military science, the new taxation necessitated, the hostility not infrequently shown to the government, the social changes associated with the Black Death and the Peasants' Revolt, the doctrines advocated by Wiclif, the rise of the woollen industry and of a native merchant class, are among the subjects to which consideration is given.

In 1922-23 aspects of Yorkist and Tudor England will be studied. Among these are the significance of the War of the Roses, the rise of a new nobility, the character of the absolutist government, the renunciation by the English Church of papal authority, the consequent dogmatic and social changes, the commercial rivalry and the conflict with Spain.

In 1923-24 the seminary will be devoted to the problems of contemporary Europe and relies upon recent historical literature. The genesis, the progress, and the results of the world war furnish the topics for study. Attention is given to the development of the industrial society of the second half of the nineteenth century, to the staging of the conflict by national interests and rivalries, to the adaptations required by the war, and to changes attendant upon reconstruction and influenced by the commanding position of labour in the social order of the day.

Seminary in American History, Dr. William Roy Smith.

Two hours a week throughout the year.

(Given in each year.)

In 1921-22 the Revolution, the Confederation, and the Constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1922-23 the seminary will deal with the Civil War and Reconstruction. Special stress is laid upon the social, economic, and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

In 1923-24 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Bibliography and Criticism.

Seminary in Mediæval and Modern European History, Dr. David.

*Two hours a week throughout the year.**(Given in each year.)*

In 1921-22 the subject of the seminary is the French Revolution. Topics are selected for study from various periods and phases of the Revolution with a view to illustrating different kinds of historical problems, gaining an acquaintance with the principal printed sources and secondary works, and extending the student's knowledge of the revolutionary movement as a whole. Attention is paid to social and economic conditions, to political institutions, and to the intellectual movement under the Old Régime, as being essential to an understanding of the Revolution itself; and in the period beginning with 1789 the economic and social aspects and consequences of the revolutionary movement are steadily borne in mind.

In 1922-23 the subject of the seminary will be England during the transitional period of the late eighteenth and early nineteenth centuries. The genesis and development of the parliamentary reform movement are traced from 1768 to the passage of the Reform Act of 1832. Special attention is devoted to the influence of the French Revolution on English opinion and to the effects of the long struggle with revolutionary France and with Napoleon upon English internal history. The Industrial Revolution, with the grave social and economic consequences which it involved, is also made a subject of special study.

In 1923-24 the subject of the seminary will be England during the twelfth and thirteenth centuries. Special attention is paid to institutional and cultural developments and to English continental possessions and connections.

Historical Bibliography and Criticism, Dr. David.

One hour a week throughout the year.

Historical bibliography is the subject of the course during the first semester. Special attention is paid to bibliographical guides; to libraries, archives and manuscript collections; to important sets of printed sources; to the development of historical studies since the Renaissance; and to the work and rank of leading historians of the nineteenth century. Historical analysis and synthesis are treated during the second semester. Special attention is paid to the external and internal criticism of documents; to the auxiliary sciences; to the arrangement and presentation of the results of historical research; and to the relation of history to science. The course consists of informal lectures and supplementary reading, with some assigned topics illustrative of the problems under discussion. This course must be elected by all students in history during their first year of graduate study.

Historical Journal Club, Dr. Gray, Dr. William Roy Smith, and Dr. David.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Professor of Economics and Politics, Dr. Charles Ghequiere Fenwick, Professor of Political Science, and Miss Marjorie Lorne Franklin, Instructor in Economics and Politics.

The instruction offered in this department covers twenty-seven hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour of free elective, seven hours a week of post-major work open only to graduates and to undergraduates who have completed the

major course in economics and politics; and nine hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Introduction to Economics, Dr. Marion Parris Smith and Miss Franklin.
Five hours a week.

(This course may be taken as a free elective. The class is divided into two sections, A and B, one conducted by Dr. Marion Parris Smith and one by Miss Franklin.)

The objects of this course are to introduce the students to the economic problems in the modern state, and to train them to think clearly on economic subjects. The subjects considered are production, agricultural and industrial; distribution of wealth, the mechanism of exchange, economic institutions of money, banking, foreign exchange, markets; transportation, etc.

Students are required to write occasional short papers in connection with their private reading, and one short report on a specially assigned topic.

2nd Semester.

Introduction to Government and Politics, Dr. Fenwick and Miss Franklin.
Five hours a week.

(This course may be taken as a free elective. The class is divided into two sections, A and B, one conducted by Dr. Fenwick and one by Miss Franklin.)

The object of this course is to present the structure and organization of the government of the United States and of the government of the several states, together with an examination of the party system and its effects upon the actual operations of government. It is followed by a comparative study of the governments of Great Britain, France, and Germany.

SECOND YEAR.

1st Semester.

(*Given in each year.*)

Present Political Problems, Dr. Fenwick.
Five hours a week.

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to present the chief political problems that have arisen in recent years. The study of practical problems is preceded by a study of theories relating to the origin and nature of the state, its end or object, and the proper sphere of state activities, under which last heading the various theories of individualism, liberalism, and socialism will be studied. Modern reforms in federal, state, and city government are next studied, and particular stress is laid upon the extension of federal power in the United States and the relation between the Fourteenth Amendment and modern social and economic legislation adopted in the exercise of the police powers of the several states.

2nd Semester.

History of Economic Thought and Recent Economic Problems, Dr. Marion Parris Smith. *Five hours a week.*

The course is divided into two parts: Part I aims to give students an historical introduction as a basis for a critical study of modern economic problems. The students read in connection with this section parts of Adam Smith's *Wealth of Nations*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; and selections from the writings of John Stuart Mill, Jevons, Wicksteed, Boehm-Bawerk, and Pantaleoni.

In Part II certain modern economic problems are considered in some detail: distribution under socialism, co-operation, profit sharing, the minimum wage, the eight-hour day, tax reforms, price fixing, etc. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Geology.

FREE ELECTIVE COURSE.

Elements of Law, Dr. Fenwick. *One hour a week throughout the year.*
(Given in each year.)

**Free
Elective
Course.**

(This course may be elected only by students who have studied economics and politics or modern history at least five hours a week for one year.)

The object of this course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of procedure. The lectures are supplemented by a study and discussion of court cases bearing on the subject.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post
Major
Courses.**

The Economic Background of American Foreign Trade, Dr. Marion Parris Smith. *Three hours a week throughout the year.*

(Given in 1921-22 and again in 1924-25.)

This course is divided into three sections with a brief historical introduction. Part I is devoted to American trade with Europe; Part II, Pan-American trade; Part III, Oriental trade. The general object of the course is to study the economic factors involved in American foreign trade, its extent and the chief problems presented and the degree of American dependence on the markets of other countries. Each student presents during the year a number of short reports which are discussed in the class. The aim of this method is to familiarize the students with the general subject, to give them certain precise bibliographical knowledge, and to afford some training in the arrangement and presentation of economic material.

Economic and Social Legislation in Great Britain and the United States, Dr. Marion Parris Smith. *Three hours a week throughout the year.*

(Given in 1922-23.)

The object of this course is to give advanced students of economics training in using source material. In the first semester recent British legislation is studied; poor laws, old age pensions, industrial insurance, town planning, housing, education, public sanitation, etc. In the second semester the topics studied are in connection with state and federal

legislation in America; immigration, labour legislation; conservation of natural resources; land reform, etc.

American Economic and Social Problems, Dr. Marion Parris Smith.

Three hours a week throughout the year.

(Given in 1923-24.)

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; problems of food distribution and marketing, cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

International Law, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1921-22 and again in 1922-23.)

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the question of international reorganization at the present time stress is laid upon the problems involved in a League of Nations.

Constitutional Questions involved in Modern Social and Economic Problems, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1923-24.)

In this course the chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states when dealing with those subjects. Decisions of the federal and state courts form the basis of the course.

Municipal Government, Miss Franklin. *Two hours a week throughout the year.*

(Given in each year.)

During the first semester the course deals with the historical development of municipal government, the causes of municipal corruption and disorganization, and the newer forms of constructive organization such as the commission and city-manager types of municipalities. On the basis of this introduction a study of municipal administration follows, covering such topics as municipal finance, town planning, public health, and sanitation. Class discussions and reports will be supplemented by observation trips and inspection of municipal departments in Philadelphia. In the second semester a comparative study is made of conditions in British, French and German municipalities.

GRADUATE COURSES.

Graduate Courses.

Nine hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics.

Three seminaries, one in economics, two in political science, are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is given in the Department of Social Economy. Post-major courses amounting to seven hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Seminary in Economics, Dr. Marion Parris Smith.

*Two hours a week throughout the year.**(Given in each year.)*

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1921-22 the Industrial Revolution and the Mechanical Revolution in Great Britain and in America in the eighteenth and early nineteenth centuries are studied.

In 1922-23 the Tariff, Currency and Banking in the United States from 1790 to 1865 will be the subject of the seminary.

In 1923-24 the Theories and Problems of Distribution in the modern industrial states will be studied. Special attention is paid to wage problems, the limitation of profits and profit sharing, income and excess profits taxation, land reforms, and projects for controlling monopolies.

Seminary in Politics, Dr. Fenwick.

*Three hours a week throughout the year.**(Given in each year.)*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1921-22 Constitutional Questions involved in Modern Economic and Social Problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

In 1922-23 Comparative Constitutional Government will be the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution of the rights of individuals and minorities.

In 1923-24 the Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

Seminary in Municipal Government, Miss Franklin.

Three hours a week throughout the year.

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city-manager forms, are considered in the early part of the course. A study of modern municipal administration follows, including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises, and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Economics and Politics Journal Club, Dr. Marion Parris Smith, Dr. Fenwick, and Miss Franklin.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity to obtain advanced scientific training in social and industrial work to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury,* Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Economy and Social Research; Dr. Neva Deardorff, Associate Professor in Social Economy; Miss Henrietta Additon, Non-resident Lecturer in Social Economy; Mrs. Eva Whiting White, Non-resident Lecturer in Social Economy; Miss Gladys Boone, Instructor in Social Economy; Dr. Alice Hamilton, Special Lecturer on Industrial Poisons; with the co-operation of the following members of the closely allied departments of Economics and Politics, Psychology, Education, and Philosophy: Dr. Marion Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Professor of Political Science; Miss Marjorie Lorne Franklin, Instructor in Economics and Politics; Dr. Theodore de Leo de Laguna,† Professor of Philosophy; Dr. James H. Leuba,† Professor of Psychology; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Dr. Matilde Castro,† Professor of Education; Dr. Ada Hart Arlitt, Associate in Educational Psychology; Miss Georgiana Goddard King, Professor of the History of Art; Dr. Howard James Savage, Associate Professor of Rhetoric and Director of the work in

* Granted sabbatical leave of absence for the year 1921-22. The courses announced by Professor Kingsbury are given by Dr. Neva Deardorff.

† Granted leave of absence for the year 1921-22. The courses offered by these professors are given by substitutes whose appointments are announced under the announcement of their departments.

English Composition; Dr. David Hilt Tennent, Professor of Biology, and Mr. Samuel Arthur King, Non-resident Lecturer in English Diction. The seminars and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergraduate students are admitted although graduate students in the department may elect, subject to the approval of the Director of the Department, undergraduate courses in other subjects.

Pre-requisites.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, sociology, psychology, philosophy, or history, and also preliminary work in psychology*, sociology or biology, or should follow such courses while taking the work of the department.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and the remaining one-third to practical work in her chosen field. Students entering the department are expected to pursue the work throughout one year at least. After one year of work in this department one-half year may be given to a practicum in residence in a social service institution, in connection with a social welfare or community organization, in a federal or state department of labour and industry, in a federal or state employment office, or in a manufacturing or mercantile establishment in Philadelphia, New York, New England, or elsewhere, during which time the practical work and special reading and research will be supervised by the instructor in charge of the practicum and by the head of the institution, department, or business firm. Students specializing in industrial relations and personnel administration are required to devote two months to work in an industrial or mercantile establishment during the summer

* The importance of psychology may make it necessary to advise students without adequate preparation in this subject to take certain psychological courses as a part of their required work. In some fields of work laboratory courses should be included in the preparation.

following this work at the college. This work is carefully supervised by an instructor in the Department. Opportunities for summer practice in other fields are also arranged.

Practicum. The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies, federal and state departments and manufacturers and merchants to secure for its students definite affiliation with practical work in the fields chosen by them. This has led in the years 1915-22 to an arrangement for co-operative work with the College Settlement, the Girls' Department of the Glen Mills Schools (Sleighton Farms), the Municipal Court, the Society for Organizing Charity, the Women's Trade Union League, the Social Service Department of the University of Pennsylvania Hospital, the Bryn Mawr Community Center, the Massachusetts Minimum Wage Commission, the Federal Children's Bureau, the Children's Aid Society, the Philadelphia Children's Bureau, the Consumers' League, the Seybert Institution, the White-Williams Foundation, The American Red Cross, the U. S. Employment Service, and the State Department of Labour and Industry.

The following business firms are a few of those who have afforded opportunity for practical work in industrial supervision and employment management:

American Pulley Company, Atlantic Refining Company, Barrett Company, Bell Telephone Company, Edward G. Budd Manufacturing Company, A. M. Collins Company, Curtis Publishing Company, Henry Disston & Sons Company, Eddystone Munitions Works, General Electric Company, American International Shipbuilding Corporation at Hog Island, Leeds Northrup Company, Link Belt Company, Midvale Steel Corporation, Miller Lock Company, Notaseme Hosiery Company, Fayette R. Plumb Company, John B. Stetson Company, Sutro Hosiery Company, John Wanamaker.

Certificates and degrees. Graduates of Bryn Mawr College or of other colleges that have completed the required preliminary work in Economics and Psychology and are able to study for one year only will receive Certificates in Social Economy stating the courses they have completed satisfactorily.

Graduate students that have completed the required preliminary work who are able to study for two years will receive Certificates in Social Economy stating the courses they have completed satisfactorily.

The degrees of Master of Arts and of Doctor of Philosophy in Social Economy and Social Research are open to graduates

of all colleges of high standing under the conditions prescribed for these degrees* in Bryn Mawr College.

Six seminars, three including practicums, and five graduate courses, are given each year in the Carola Woerishoffer Graduate Department in addition to seminars and courses in economics, politics, education, philosophy, psychology, literature, and art. Direction of investigation and research in special fields, and supervision of the practicum in social and industrial welfare accompanies the seminars and courses. The seminars and courses announced by the department are given in rotation so that different courses may be taken in consecutive years. The selection of courses depends upon the field of Social Economy which the student may choose. A seminary in Social Economy or a seminary in Social Theory, and, unless previously taken, undergraduate courses in Elements of Statistics and in Articulation and Voice Production are required of all students of the department.

FREE ELECTIVE COURSES.

Elements of Statistics, Miss Boone.

One hour a week throughout the year.

(Given in each year.)

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distribution, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation.

The course is recommended to students of social economy and of economics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

**Free
Elective
Courses.**

Record Keeping and Social Investigation, Dr. Kingsbury.†

One hour a week throughout the year.

(Given in each year.)

The object of the course is to acquaint the student with the principles and methods of record keeping and filing which are applicable to municipal, state, and federal offices, to business organizations, and to social organizations and investigation, and with the methods of securing, analyzing, interpreting, and presenting social data. The best systems in use will be analyzed and studied. Formulation of the various types of schedules, tabulation of information secured, and the framing of tables are among the subjects considered. The course concludes with a critical study of the methods used in social economic investigations, of sources of social statistical information, and of reports by federal and state departments and by private organizations.

POST-MAJOR COURSE.

Applied Sociology, Dr. Kingsbury.†

Two hours a week throughout the year.

(Given in each year.)

The first semester's work includes a brief survey of populations, especially of the United States, and a study of the racial, national, economic and social factors which determine standards of living. The course then considers the forces which contribute to the forma-

**Post-
Major
Course.**

* See pages 193 to 197.

† See footnote, page 102.

tion of society, the processes through which society has evolved and the final product in social institutions. This discussion having provided a concept of the nature of society affords a point of departure from which to consider social conditions and organized efforts for social betterment. In the second semester the course includes a survey of the origin, growth, and present methods of the most important social service organizations in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centers or other neighborhood organizations; (2) improvement of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) child welfare, through societies for care and protection of children; (4) family care, through organizations for the reduction and prevention of poverty; (5) social guardianship, through the probation work in the juvenile courts or corrective institutions.

This course is open to students who have attended the course in Minor Economics.

GRADUATE COURSES.

The following graduate seminars and courses may be elected subject to the approval of the Director of the Department by students working for the first and second year certificates as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research, or may be offered as the associated or independent minor with the approval of the Director of the Department when the major is taken in certain other departments according to the regulations of the Academic Council.

Seminary in Social and Industrial Research, Dr. Kingsbury.*

Three hours a week throughout the year.

(Given in each year.)

Research in Social Economy involves two distinct types of studies. First, that which uses manuscripts or printed documents as sources of information and second, that which secures data concerning human relations and social conditions from individuals, groups, organizations, or institutions. Both phases of social research necessitate an ability to discover cause and effect, to see the relations and interpret the interaction of social forces, to recognize and evaluate the factors conditioning or controlling social situations, and to establish facts concerning social phenomena.

Consequently, training in the acquisition, arrangement, analysis, and interpretation of data is essential for students undertaking either phase of social research. As other seminars in the Department and allied departments deal primarily with the first type of studies, this seminary is devoted exclusively to the second type. A subject is selected and arrangements made which will require students to secure social data by work in the field. The material is then organized, analyzed, and interpreted by the members of the seminary. In this way, training is given in filling out schedules, classifying data, drawing up tables, analyzing results, and interpreting material as a whole. The group of students may cooperate to produce a study which it is hoped will prove a contribution to our knowledge of social or industrial conditions.

In 1921-22 the seminary is making a study of women in the labor movement in Philadelphia under the direction of Dr. Deardorff.

In 1922-23 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) vocational opportunities and demands, (3) standards of living, including income and wages, (4) the relation of health and industry, (5) industrial relations of women and minors.

As the chief subjects of investigation will vary from year to year, as noted above, it will be possible for students to follow the work of the seminary for two consecutive years.

* See footnote, page 102.

Seminary in the Family as a Social Institution, Dr. Deardorff.

*Two hours a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

A study is made of theories regarding the origin and evolution of the family as a social institution. The patriarchal theory, the theory of the horde and mother-right, and the theory of the monogamous or pairing family are reviewed and criticised; the methods of study of social origins are examined; the grouping, customs and functions of the family among primitive peoples and among the great historic peoples are studied. Finally modern theories as to the future of the family and its relation to the other social institutions are considered.

Seminary in Races and Peoples, Dr. Deardorff.

*Two hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

A study is made of the definitions of race, of theories regarding the origin and evolution of races, and of the sociological characterization of peoples. This is followed by studies in special problems of immigration and assimilation in the United States.

Seminary in Labor Organization, Miss Boone.

*Two hours a week throughout the year.**(Given in each year.)*

A knowledge of the general concepts of labor economy and of the outline of Labor Organization history is assumed. The seminary begins with a survey of the history of Labor Organization in the United States showing the parallelism between the growth of Labor Organizations and of Industrial Organization and Employers' Associations and also showing the influence of European labor movements and successive waves of immigration. It then discusses present union groups in America, types and principles of organization and union policies and practices. These are linked up with the theories of the Labor Movement and it is shown that both theory and practice are conditioned by the law relating to labor.

The development of a better understanding between employer and employee is traced through the early phases of collective bargaining to modern schemes such as the National Industrial Councils in Great Britain, the national agreements in the clothing and printing trades in the United States and experiments in cooperative production.

Seminary in Research in Labor Problems, Miss Boone.

*Two hours a week throughout the year.**(Given in each year.)*

This seminary must be preceded by the seminary in Labor Organization or its equivalent. The general field of research is that covered by the Seminary in Labor Organization and some phases of the course in Industrial Supervision and Personnel Administration. The special subjects treated are determined by the urgency of current problems or the particular interests of the students. Material collected by the students is discussed in conference and presented in reports.

Seminary in Social Education, Dr. Castro.

*Two hours a week during the second semester.**(Given in 1922-23.)*

The Essentials of Educational Theory and Practice for Community Workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centers, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Psychological Seminary, Dr. Leuba.* *Two hours a week throughout the year.*
(Given in each year.)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling, and emotion; the psychology of religion and of ethics: social psychology; abnormal psychology (mental disorders, the Freudian psychology, etc.).

Seminary in Social Psychology, Dr. Leuba.*
Two hours a week during the first semester.
(Given in each year.)

In 1921-22 and again in 1923-24, abnormal psychology, chiefly mental and moral deficiency and its social implications or temperament and character, their instinctive and emotional foundation, are the subject of the seminary.

In 1922-23 and again in 1924-25, the principles of social psychology and their applications to social problems are the subject of the seminary.

This seminary is open to students who have pursued an elementary course in psychology. It may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.*
Two hours a week during the second semester.
(Given in each year.)

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in philosophy. It may be elected separately or may be combined with the seminary in Social Psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Social Economy Applied to Community Organization and Administration, Dr. Kingsbury* and Mrs. White.

Two hours a week throughout the year.

(Given in each year.)

This seminary includes the Practicum in Community Organization and Administration. It combines practical work in social and community education with reports and discussions. It must be accompanied by the course in Community Organization and must be preceded or accompanied by the seminary in Social Education—Essentials of Educational Theory and Practice for Social Workers—or its equivalent. In addition to reports and conferences, seven or twelve hours a week, according to election, are devoted to active work in a social center or settlement by which the student gains vital illustration of the principles and organization of community work.

The practice work is so arranged as to give to the student training in the following activities:

- (1) Direction and teaching of clubs and classes as observers, visitors, helpers and assistants.
- (2) Regular daily management as assistants and later as directors.
- (3) General administrative assistance in office work, including record-keeping, in library work, in activities to secure publicity, in preparation of newspaper articles, reports, posters, exhibits, parades, dramatics, plays, festivals, demonstrations, concerts, and lectures, in public speaking and writing, and in conducting financial campaigns and special studies.
- (4) Teaching in night schools of classes in civics and elementary subjects, and conducting games, dramatics, gymnastics, playgrounds and kindergarten activities.

* See footnote, page 102

(5) Co-operation with civic movements, community campaigns and emergency activities, school programs and publicity.

Training in the theory and supervision of practice in Physical Education may accompany this seminary.

Two or three months of non-resident practice in social centers and settlements, playgrounds or fresh-air camps may be arranged for the summer following the resident work at Bryn Mawr.

The fields from which the subject for the practicum may be chosen are community, civic and social centers, settlements, playgrounds, and health and recreation centers, and have included the Bryn Mawr Community Center, The Philadelphia College Settlement and work in smaller neighboring communities.

Seminary in Social Economy Applied to Social Relief and Social Guardianship, Dr. Deardorff and Miss Additon. *Two hours a week throughout the year.*

(Given in each year.)

This seminary includes the Practicum in Social Relief and Social Guardianship. It must be accompanied by the course in Social Treatment of Dependents, Delinquents, and Defectives. Field work is carried on 7 to 12 hours per week according to election with such agencies as the following: The Philadelphia Society for Organizing Charities; The Home Service Departments of the Red Cross; The Children's Bureau, an agency which investigates all complaints concerning children; The Children's Aid Society, a child-placing agency; The White-Williams Foundation; Hospital Social Service Departments and the various agencies dealing with delinquents.

The field work with these agencies is under the supervision of Dr. Deardorff and Miss Additon and of the director of the particular agency or department. In addition to the regular practice work, students are taken on observation trips to courts, almshouses, orphanages, asylums, institutions for the feeble-minded, the blind, the crippled, hospitals, etc.

Seminary in Social Economy Applied to Industrial Supervision and Personnel Administration, Miss Boone. *Two hours a week throughout the year.*

(Given in each year.)

This seminary includes a practicum in Industrial Supervision and Personnel Administration, and consists of 7 to 12 hours field work per week in industrial experience in or near Philadelphia and two months of non-resident industrial experience. During the period of residence at Bryn Mawr, the field work is devoted to assisting in an employment office, while group observation trips are regularly arranged. In the non-resident period the student, in addition to experience in the employment office, by being transferred from process to process, is enabled by plant supervision to see not only the conditions of work but the adjustment of employment problems to the other factors of industry. Experience may also be afforded in the state employment service and in factory inspection. In connection with this seminary each student must take the course in Industrial Supervision and Personnel Administration, and must precede or accompany it by the Seminary in Labor Organization or the equivalent.

Social Treatment of Dependents, Delinquents and Defectives, Dr. Deardorff and Miss Additon. *Two hours a week throughout the year.*

(Given in each year.)

This course aims toward the preparation of the student to handle the individual case problems arising out of dependency, defect and delinquency. This involves a study of the methods of investigation of the individual case, the objectives and methods of treatment, the agencies, both public and private, for giving expert services, special forms of care and assistance and legal custody. Studies are made of the adaptation of fundamental principles of investigation and treatment to particular forms of social maladjustment and physical and mental defect. The student is acquainted with the theories of social responsibility with reference to these classes, of preventive measures already in effect, and of opportunities to extend preventive measures.

The following courses are open to graduate students by special arrangement:

Criminal Law.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Chestnut Streets, Philadelphia.

This course may accompany the course in Social Treatment of Delinquents and Defectives (Criminology).

Criminal Procedure.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Chestnut Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Industrial Supervision and Personnel Administration, Miss Boone.

Two hours a week throughout the year.

(Given in each year.)

The course deals with the problems and technique of Personnel Administration. It considers the organization and functions of a personnel department and the relation of that department to the industrial or commercial organization. The practical problems of building up and maintaining a stable working force are discussed and in this connection emphasis is laid on the analysis of labor turnover and on the training and supervision of employees. The course also presents the possibilities of cooperation between the personnel department and public employment services, the schools and recreational and educational agencies supported by the community at large.

Any outline of this course must be somewhat tentative as the experience drawn upon in its presentation is constantly changing and increasing and much of the material is obtained from current publications. The following survey suggests the scope of the course:

I. Personnel Administration: function; scope; fundamental problems.

II. Employment Management: selection of employees:—sources of labor supply; job analysis and specifications; applications and interviews; physical examinations; tests.

III. Training and Instruction: for foreman; for minor executive; for new employees; for promotion.

IV. Maintenance of Working Force:

(a) Conditions of Employment: wages; hours of labor; health and safety; scientific management.

(b) Relation of Management to Workers: follow-up; promotions and transfers; absenteeism and tardiness; discipline and complaints; service work; employee representation.

V. Organization of a Personnel Department: plan of organization; survey of plant; office equipment; records and files.

VI. Relation to Other Executives: production manager; foreman; industrial engineer; safety engineer; sanitary expert; fatigue expert; sales manager.

VII. Relations with Community: schools; industrial education; organizations; government boards; movements for improved industrial housing and proper transportation for personal and social development and recreation and for social care and aid; industrial commissions.

The course must be preceded or accompanied by the seminary in Labor Organization or Industrial Organization or the equivalent, and by the seminary in Social Economy, including the Practicum in Industrial Supervision and Personnel Administration.

Advanced Statistics, Miss Boone.

Two hours a week throughout the year.

(Given in each year.)

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the

course are the method of least squares, the theory of linear correlation, skew distribution, partial correlation, and the theory of contingency.

The course must be preceded by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension.

If accompanied by the Special Research in Statistics the course becomes equivalent to a seminary.

Special Research in Statistics, Miss Boone.

Seven hours of laboratory work a week throughout the year.

(Given in each year.)

This course including laboratory analysis and reports is offered in each year in connection with the course in Advanced Statistics and the two courses taken together are equivalent to a seminary.

Community Organization, Mrs. White. *Two hours a week throughout the year.*

(Given in each year.)

The theory upon which community work is based and the technique used in its conduct are presented in this course to accompany the field practice which is carried on under the Seminary in Social Economy Applied to Community Organization. Experience of the student in the field is constantly used to exemplify the principles formulated.

In the first semester the following subjects are covered:

(1) A study of the history of the development of the community, of its physical aspects and its political and social organization.

(2) Analysis of Primary and Universal Groups including the relation of the individual to these groups.

(3) Survey of the Field of Social Work. The place of Community Organization in the progress of society.

(4) Major industrial, social, and political problems and the application of the findings of sociology, economics, psychology, political science to the solving of those problems.

(5) Principles of Case Work to be used in Community Organization.

In the second semester the work includes:

(1) First steps in organizing a community including methods of approach to strategic groups and to strategic individuals. Formation of a representative governing body. The community survey. Method of deciding on a program of action.

(2) Questions of management. Committee organization. Staff organization. Budget making and accounting. Records. Office systems. Selection, training and supervision of volunteers. The community building; its equipment and operation.

(3) Community finance and Publicity. The Community Chest. The growth of local federations of social and civic agencies.

(4) Group Organization. The club, class or society. Age groupings. Special interest groups. Methods of gauging the personal and social needs of the individual through group action. Educational, civic, social, recreational programs for groups.

(5) Units of Community Organization: city or town, neighborhood, block.

(6) Community Cooperation with city or town governments, with public health agencies, with schools, with social and philanthropic agencies, with civic bodies and with churches.

(7) Public and private forms of Community Organization. Use of schoolbuildings and of libraries as community centers. The development of public recreation systems, playgrounds and parks. Extension work of national departments. The program of the Red Cross, of Community Service, and the Social Settlement. The local improvement society and the Community Council.

The course also takes up the question of legislative procedure, town planning, housing, the cooperative movement, and citizenship programs.

Community Art, Miss King.

Two hours a week throughout the year.

(Given in each year.)

A special course will be given in Community Art, to show the methods of developing group expression in music, dramatics, pageantry, dancing, literary expression, architecture, graphic and plastic arts. This course prepares the student of artistic ability to use her

best gifts in bringing out the artistic expression of the community. The purpose of educational dramatics, pageant and festival forms, qualifications of directors, principles of casting, costuming and stage direction are included in the division on community dramatics. In a similar way the movement for community music, civic architecture, writing, painting or sculpture which are spontaneous expressions of the people are included in other divisions of the course.

Technical and Advanced Criticism, Dr. Savage.

Two hours a week during the first semester.

(Given in each year.)

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

General Course in Articulation and Voice Production, Mr. King.

One-half hour a week throughout the year.

(Given in each year.)

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Seminary in Economics, Dr. Marion Parris Smith.

Two hours a week throughout the year.

(Given in each year.)

In 1921-22 the Industrial Revolution and the Mechanical Revolution in Great Britain and in America in the eighteenth and early nineteenth centuries are studied.

In 1922-23 the tariff, currency and banking in the United States from 1790 to 1865 will be the subjects of the seminary.

In 1923-24 the Theories and Problems of Distribution in the modern industrial state will be studied. Special attention will be paid to the limitation of profits and profit sharing, income and excess profits taxation, land reforms and projects for controlling monopolies.

Seminary in Politics, Dr. Fenwick.

Three hours a week throughout the year.

(Given in each year.)

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1921-22 Constitutional Questions involved in Modern Economic and Social Problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

In 1922-23 Comparative Constitutional Government is the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign power, and authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1923-24 the Constitutional Law of the United States is the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

Seminary in Municipal Government, Miss Franklin.*Three hours a week throughout the year.**(Given in each year.)*

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city manager forms, are considered in the early part of the course. A study of modern municipal administration follows including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Seminary in Educational Methods and Measurements, Dr. Castro.**Two hours a week throughout the year.**(Given in each year.)*

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Intelligence Tests, Dr. Arlitt.*Two hours a week throughout the year.***Laboratory Work.***Four hours a week throughout the year.**(Given in each year.)*

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Seminary in Applied Psychology, Dr. Rand.*Two hours a week throughout the year.***Laboratory Work.***Four hours a week throughout the year.**(Given in each year.)*

This course includes seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Applied Psychology, Dr. Rand.*Four hours a week throughout the year.**(Given in each year.)*

This course is offered in connection with the course in Applied Psychology to students who wish to pursue more advanced work.

Social Economy Journal Club, Dr. Kingsbury, Dr. Deardorff, Miss Boone and Miss Additon.*Two hours once a fortnight throughout the year.*

Current books and articles are reviewed, recent reports, surveys, and investigations are criticized, and the results of important research are presented for discussion.

* See footnote, page 102.

Philosophy.

The instruction in this department is under the direction of Theodore de Leo de Laguna,* Professor of Philosophy, Dr. Grace Mead Andrus de Laguna,* Associate Professor of Philosophy, Dr. Ethel Ernestine Sabin, Associate in Philosophy, and Dr. Will Sentman Taylor, Lecturer in Psychology.

The instruction offered in this department covers eighteen and a half hours of lectures a week: it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; and six hours a week of graduate work.

A course in philosophy, five hours a week throughout one semester, and a course in psychology, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, history of art, mathematics, physics, or geology.

A combination of five hours a week for one year of the minor course in philosophy with five hours a week for one year of the minor course in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

Required Course.

Introduction to Philosophy, Dr. Theodore de Laguna,* Dr. Grace de Laguna.*

Five hours a week during the second semester.

(Given in each year.)

(The class is divided alphabetically into two sections and each section assigned to a different instructor for each half of the semester.)

The course consists of discussions of certain fundamental problems of metaphysics based as far as possible on recent philosophical literature. Every effort will be made to foster independence and sincerity of thought rather than to impress upon the students any system of philosophical dogmas. This course is conducted by Dr. Sabin and Dr. Taylor in 1921-22.

* Granted sabbatical leave of absence for the year 1921-22. The courses offered by Dr. Theodore de Laguna and by Dr. Grace Mead Andrus de Laguna are given by Dr. Sabin and Dr. Will Sentman Taylor.

FIRST YEAR.

*(Minor Course.)**1st Semester.**(Given in each year.)*

Elementary Ethics, Dr. Theodore de Laguna.*

*Five hours a week.***Major
Course.**

The course begins with a survey of the development of moral standards in the course of human progress from primitive to modern conditions. This is followed by a critical study of the theory of moral values, with especial reference to the phenomena of moral evolution. The concluding weeks are devoted to an introduction to the more general problems of Social Philosophy in their bearing upon the ideals of English and American liberalism.

2nd Semester.

History of Philosophy, Dr. Grace de Laguna.*

Five hours a week.

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza; Leibniz, Locke, Berkeley, and Hume.

SECOND YEAR.

1st Semester.

From Kant to Spencer, Dr. Grace de Laguna.*

Five hours a week.

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, John Stuart Mill, and Spencer.

2nd Semester.

Recent Philosophical Tendencies, Dr. Theodore de Laguna.*

Five hours a week.

The object of this course is to give the student an introduction to the most important and significant recent movements of thought. Among the theories discussed are neo-realism, pragmatism, idealism, etc.

Group: Philosophy with Greek, *or* with Latin, *or* with English, *or* with Economics and Politics, *or* with Psychology, *or* with History of Art *or* with Mathematics, *or* with Physics, *or* with Geology; Philosophy and Psychology with Greek *or* with English *or* with Economics and Politics *or* with Mathematics *or* with Physics.

GRADUATE COURSES.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research. **Graduate Courses.**

A seminary in the history of philosophy is offered each year and a seminary in ethics and one in logic and metaphysics are offered in alternate years. A seminary in social and political philosophy is offered in the second semester of each year. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing philosophy as their major subject for the degree of Doctor of Philosophy

* See footnote, page 114.

may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Seminary in Ethics, Dr. Théodore de Laguna.

Two hours a week throughout the year.

(Given in alternate years.)

In 1922-23 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, will be the subject of the seminary. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1924-25 the subject will be the philosophy of Rousseau. In the first semester the political theory is studied, and in the second the theories of Education, Art, Morals and Religion.

Seminary in the History of Philosophy, Dr. Theodore de Laguna.

Two hours a week throughout the year.

(Given in alternate years.)

In 1921-22 the subject of the seminary is English Empiricism. Special attention is paid to its connection with Associationism and to the development of the theory of scientific method. The seminary is conducted by Dr. Sabin in 1921-22.

In 1923-24 the philosophy of Plato will be discussed in the seminary. Special attention will be paid to the earlier dialogues, to the development of the theory of ideas and the relation of this theory to the teachings and method of Socrates.

Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.*

Two hours a week during the second semester.

(Given in each year.)

The topics chosen for discussion vary from year to year. Prominent among them are: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Logic and Metaphysics, Dr. Grace de Laguna.

Two hours a week throughout the year.

(Given in alternate years.)

In 1923-24 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton will be the subject of the seminary.

In 1925-26 Inductive and Genetic logic will be the subject of the seminary. The theories of Sigwart, Mill, Whewell, Bradley, Bosanquet, and Dewey are the basis of investigation.

Philosophical Journal Club, Dr. Theodore de Laguna,* Dr. Grace de Laguna,* and Dr. Sabin.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

* See footnote, page 114.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba,* Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Applied Psychology, and Dr. Ethel Ernestine Sabin, Associate in Philosophy, Dr. Will Sentman Taylor, Lecturer in Psychology, Mrs. Thelma Williams Kleinau, Assistant Demonstrator in Experimental Psychology, and Miss Margaret Wiesman, Assistant Demonstrator in Applied Psychology.

The instruction offered in this department covers twenty-four and a half hours of lectures a week; it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective work and twelve hours a week of graduate work.

A course in psychology, five hours a week throughout one semester, and a course in philosophy, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in Greek, English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of five hours a week for one year of the minor course in psychology with five hours a week for one year of the minor course in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

Psychology, Dr. Leuba.

Five hours a week during the first semester.

(Given in each year.)

**Required
Course.**

In 1921-22 the class is divided alphabetically into sections, one conducted by Mr. Taylor and one conducted by Dr. Sabin, the instructors of the divisions being interchanged in the middle of the semester. In 1922-23 the class will be conducted by Dr. Leuba.

The text-book used is Pillsbury's *Fundamentals of Psychology*. In connection with the lectures there are experimental demonstrations.

* Granted sabbatical leave of absence for the year 1921-22. The courses announced by Professor Leuba are given by Dr. Will Sentman Taylor.

FIRST YEAR.

*(Minor Course.)**1st Semester.**(Given in each year.)***Major
Course.**

Experimental Psychology, Dr. Ferree and Dr. Rand.

Five hours a week.

Laboratory work, Dr. Ferree and Dr. Rand.

Four hours a week.

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Special stress is laid on the comparative study of methods. The laboratory work consists of individual practice in selected topics.

2nd Semester.

The Psychology of Instinct and Emotion, and Animal Behaviour,
Dr. Leuba.*

Five hours a week.

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

Although the course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

SECOND YEAR.

*1st Semester.**(Given in each year.)*

Social Psychology: The Psychology of Group Life and of the Main
Social Institutions, Dr. Leuba.*

Five hours a week.

(Open only to those students who have taken the minor course in psychology five hours a week in the second semester. Experimental psychology is not a prerequisite. May be taken as a free elective.)

2nd Semester.

Applied Psychology, Dr. Rand.

Five hours a week.

Laboratory work, Dr. Rand.

Four hours a week.

(Open only to those students who have taken the minor course in psychology five hours a week during the first semester. May be taken as a free elective.)

The specific applications of psychology form the subject-matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of mental equipment and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Group: Psychology with Greek, or with English, or with Economics and Politics, or with Philosophy, or with Mathematics, or with Physics, or with Biology, or Philosophy and Psychology with Greek, or with English, or with Economics and Politics, or with Mathematics, or with Physics.

* See footnote, page 114.

FREE ELECTIVE COURSE.

Advanced Experimental Psychology, Dr. Ferree.

*Two hours a week throughout the year.**(Given in each year.)*

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will cooperate with the students in the solution of some original problems. A reading knowledge of French and German is required.

**Free
Elective
Course.**

GRADUATE COURSES

Twelve hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

**Graduate
Courses.**

Psychological Seminary, Dr. Leuba.

*Two hours a week throughout the year.**(Given in each year, but omitted in 1921-22.)*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, etc.).

Seminary in Social Psychology, Dr. Leuba.*

*Two hours a week during the first semester.**(Given in each year.)*

In 1921-22 the seminary studied the aspects of the behaviour of individuals important in social relations.

In 1922-23 and again in 1924-25 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1923-24 abnormal psychology, chiefly mental and moral deficiency, and its social implications; or temperament and character and their instinctive and emotional foundations will be studied.

This seminary together with the seminary in Social Philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Seminary in Experimental and Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.**(Given in each year.)*

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of

* See footnote, page 114.

systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the effective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Seminary in Research Methods and Problems, Dr. Ferree and Dr. Rand.

Three hours a week throughout the year.

(Given in each year.)

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Seminary in Applied Psychology, Dr. Rand.

Two hours a week throughout the year.

Laboratory Work, Dr. Rand.

Four hours a week throughout the year.

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults and adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests and their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reactions to the tests as well as practice in giving the tests. Later the work is with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Seminary in Special Laboratory Problems in Applied Psychology, Dr. Rand.

Four hours a week throughout the year.

(Given in each year.)

This course is offered to students who have attended the seminary in Applied Psychology and wish to pursue more advanced work.

Psychological Journal Club, Dr. Leuba,* Dr. Ferree, and Dr. Rand.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.

The laboratory work consists of individual practice and research.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne School.

The instruction in Education is under the direction of Dr. Matilde Castro,† Professor of Education and Director of the

* See footnote, page 114.

† Granted sabbatical leave of absence for the year 1921-22. The courses offered by Professor Castro are given by Miss O'Shea.

Phebe Anna Thorne School, Dr. Ada Hart Arlitt, Associate in Educational Psychology and Miss Harriet Estabrooks O'Shea, Lecturer in Education.

The work of the Graduate Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The undergraduate courses in education amounting to ten hours a week are given in courses of two and three hours a week and may be elected separately. The graduate courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College and of other colleges of high standing under the general conditions prescribed for the degree of Master of Arts. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted to the primary department at six years of age and to the elementary course at nine or ten years of age and will be fitted to enter

Bryn Mawr and other colleges on the completion of a seven or eight years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. It is believed that the opportunity of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

FREE ELECTIVE COURSES.

Free Elective Courses.

Education, Dr. Castro.*

Two hours a week throughout the year.

(Given in each year.)

The course interprets modern educational problems from the standpoint of their social setting; develops the psychological principles underlying the technique of teaching and demonstrates their application; and discusses the treatment of children individually and in groups in school and extra-school activities.

It is conducted as a general survey course covering the subject-matter indicated, or various topics are stressed and studied more intensively according as the interests of the class vary from teaching to social work or to a more general interest in educational problems.

The Psychology of Childhood, Dr. Castro.*

Three hours a week throughout the year.

(Given in each year.)

The course traces the mental, moral, and physical development of children from infancy through adolescence. A comparative study is made of the psychology of deficient, normal, and gifted children, and attention is given to their educational treatment.

Experimental Educational Psychology, Dr. Arlitt.

Three hours a week throughout the year.

Laboratory Work, Dr. Arlitt.

Two hours a week throughout the year.

(Given in each year.)

In the first semester a study is made of sensori-motor learning, perceptual learning, and learning of the problem-solving type. Particular emphasis is laid on the conditions and methods of efficient study and on the training of memory.

In the second semester the course takes up the study of school subjects from the point of view of laboratory experimentation and a survey of the field of group and individual tests and educational scales and measurements.

History of Education, Dr. Arlitt.

Two hours a week throughout the year.

(Given in each year.)

The course considers the great educational movements in the light of their historical development. Emphasis is laid on the extent to which these movements influenced and were influenced by the social life and customs of the periods in which they originated.

GRADUATE COURSES.

Graduate Courses.

In addition to six seminaries in education, there are offered in each year observation classes in the Phebe Anna Thorne School. The Department of Education also conducts an Educational Clinic in which examinations are made and advice given in regard to cases of retardation in special

* See footnote, page 120.

school subjects, general retardation or any other maladjustment to school environment. Students electing education as their major subject for the degree of Doctor of Philosophy may elect educational psychology, educational methodology, economics, social economy, social psychology, or experimental and systematic psychology, as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Seminary in Educational Methods and Measurements, Dr. Castro.*

Two hours a week throughout the year.

(Given in each year.)

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Advanced Experimental Educational Psychology, Dr. Castro* and Dr. Arlitt.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

(Given in each year.)

The seminary considers the main categories of educational psychology from a theoretical and experimental point of view, and studies especially the psychology of school and high school subjects. If the student's training in psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements or the requisite undergraduate work in education.

Seminary in Social Education, Dr. Castro.*

Two hours a week throughout the year.

(Given in each year.)

The essentials of educational theory and practice for social workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Research Problems in Educational Psychology, Dr. Castro* and Dr. Arlitt.

Two hours a week throughout the year.

(Given in each year.)

This seminary is open only to candidates for the degree of Doctor of Philosophy.

Seminary in Intelligence Tests, Dr. Arlitt.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Advanced History of Education, Dr. Arlitt.

Two hours a week during the first semester.

Philosophy of Education, Dr. Castro.*

Two hours a week during the second semester.

(Given in each year.)

* See footnote, page 120.

These two courses taken together are equivalent to one seminary and are given in the first semester by Dr. Arlitt and in the second semester by Dr. Castro. Students electing this seminary must have previously taken two seminaries in Education.

Journal Club in Education, Dr. Castro* and Dr. Arlitt.

Two hours once a fortnight throughout the year.

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

Classical Archæology.

The instruction in this department is under the direction of Dr. Rhys Carpenter, Professor of Classical Archæology, Dr. Mary Hamilton Swindler, Associate in Latin and Archæology, and Dr. Wilmer Cave Wright, Professor of Greek.

Two archæological seminaries of two hours a week each and a graduate lecture course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

Undergraduate courses of three hours a week and two hours a week are offered affording an introduction to the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Ancient Painting and Vases, and Greek Minor Arts, during their first year, reserving for their second year the courses on Ancient Architecture, Art and Life in Hellenistic Towns, Egypt and Crete, and Ancient Rome. The elective courses in Greek Religion and Greek Myths and Literary Geography of Greece and Asia Minor may be substituted for the courses in Ancient Painting and Vases and in Greek Minor Arts.

The undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison. In connection with graduate courses the students have access to the collections belonging to the department containing replicas of Greek and Roman coins, facsimiles of gems and seals, and a collection of original vase fragments, many of which are by known masters.

* See footnote, page 120.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Greek Sculpture, Dr. Carpenter.

*Three hours a week throughout the year.***Major Course.**

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Ancient Painting and Vases, Dr. Swindler.

Two hours a week during the first semester.

The course traces the development of ancient painting. The material studied includes Egyptian and Cretan frescoes, Greek vases, Pompeian wall paintings and the paintings from Etruscan sites.

Greek Minor Arts, Dr. Carpenter. *Two hours a week during the second semester.*

In addition to the archæological study of ancient Greek coins, gems, jewelry, silver-smithing, and terra-cotta, this course serves to give an understanding of the general æsthetic principles of art by an analysis of the morphological evolution and fundamental assumptions of Greek art. The course includes a brief treatment of the influence of Hellenic art on the art of other races.

Greek Religion and Greek Myths, Dr. Wright.

Two hours a week during the first semester.

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual and the influence on literature of Greek myths.

Literary Geography of Greece and Asia Minor, Dr. Wright.

Two hours a week during the second semester.

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history.

SECOND YEAR.

(Minor Course.)

(Given in each year.)

Ancient Architecture, Dr. Carpenter.

Three hours a week during the first semester.

The first twelve lectures deal with Egyptian, Babylonian, Assyrian, Persian and Aegean building. The remainder of the semester is devoted to a detailed study of the principles and practice of Greek architecture until late Hellenistic times. Emphasis is laid on architectural evolution and its connection with the civilization of the period.

Art and Life in Hellenistic Towns, Dr. Carpenter.

Two hours a week during the first semester.

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Ancient Architecture (continued), Dr. Carpenter.

Two hours a week during the second semester.

The architecture of Rome and the Roman Empire down to late Imperial times is studied in the second semester. Students entering this course in the second semester are required to prepare themselves by reading Warren's *Foundations of Classic Architecture*, chapter v, and Fowler and Wheeler's *Greek Archæology*, chapter ii.

Egypt and Crete, Dr. Carpenter.

One hour a week during the second semester.

A general study of the artistic and material aspects of the ancient Egyptian and the Cretan and Mycenaean civilizations. This course may be combined with Ancient Architecture, Ancient Rome, or Greek Minor Arts.

Ancient Rome, Dr. Swindler.

Two hours a week during the second semester.

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

Group: Classical Archæology with Greek or with Latin.

GRADUATE COURSES.

Graduate Courses.

Two seminars in archæology, a graduate course, and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Archæological Seminary, Dr. Carpenter. *Two hours a week throughout the year.*

(Given in each year.)

This seminary is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1921-22 Greek minor arts (coins, gems, terra-cotta) are studied.

In 1922-23 Greek Architecture will be studied in the first semester, and Roman architecture in the second semester.

In 1923-24 fifth century Greek sculpture will be the subject of the seminary.

Greek Epigraphy, Dr. Carpenter.

One hour a week throughout the year.

(Given in each year.)

In the first semester the origin of the Greek alphabet and the epichoric forms are studied. Roehl's *Imagines* and Part I of Robert's *Introduction to Greek Epigraphy* are used as textbooks. In the second semester a variety of inscriptions of artistic and topographic interest are read. The emphasis is archæological rather than linguistic or politico-historical.

Archæological Seminary, Dr. Swindler. *Two hours a week throughout the year.*

(Given in each year.)

In 1921-22 the subject of the seminary during the first semester is Aegean Archæology with emphasis on the recent discoveries in Crete. During the second semester the subject is Ancient Painting, including a detailed survey of Cretan frescoes, painted plaques, stelæ, and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration, and the mummy portraits from the Fayum.

In 1922-23 Greek vases will be the subject of the seminary with special reference to the vase masters of the fifth century.

In 1923-24 Etruscan and Roman Archæology will be the subject of the seminary. A survey of Etruscan sites and monuments is followed by a study of the monuments of Rome from the earliest times down to the Age of Constantine.

Archæological Journal Club, Dr. Carpenter and Dr. Swindler.

One and a half hours a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Professor of the History of Art, and Mr. George Rowley, Instructor in the History of Art.

Two seminaries of two hours a week and a journal club of one hour a week are offered to graduate students who have done elementary work in history of art. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week on painting, sculpture and architecture.

All the courses are illustrated with lantern slides, and photographs are available for review and comparison.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

Major Course.

Three hours a week throughout the year.

(May be taken as a free elective.)

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

The Art of the Far East, Mr. Rowley. *Two hours a week throughout the year.*

(May be taken as a free elective.)

A general history of the development of art, especially painting, in China, Japan, and India from the earliest bronzes to modern color prints, with the rise of Buddhism in India and its influence in China and Japan as a connecting thread. Emphasis is placed upon the great painting of the T'ang and Sung dynasties in China.

SECOND YEAR.

(*Given in 1921-22.*)

Renaissance Sculpture, Miss King. *Three hours a week during the first semester.*

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the finishing of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain are studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

Painting in the Seventeenth Century, Mr. Rowley.

Two hours a week during the first semester.

After sufficient consideration of the Flemish painters and Dürer the course is devoted to the art of Rembrandt, Hals, and Velasquez, concluding with the little masters of Holland.

Modern Painting, Miss King. *Three hours a week during the second semester.*

This course deals with the history of painting since 1800 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighborhood to study pictures as often as may seem necessary.

Renaissance and Modern Architecture, Mr. Rowley.

Two hours a week during the second semester.

The architecture of the Italian Renaissance is studied in the first part of the semester, that of France, Germany, Spain and England later. Lantern slides and photographs are used for illustration.

SECOND YEAR.

(Given in 1922-23 and in each succeeding year.)

Mediæval Art, Byzantine and Romanesque, Miss King.

Three hours a week during the first semester.

Byzantine art in its various aspects will be studied in the early part of the semester and the question of its origin considered. The latter part of the time will be devoted to architecture and the allied arts in Italy, Germany, France and Spain up to the close of the Romanesque period.

Painting in the Seventeenth and Eighteenth Centuries, Mr. Rowley.

Two hours a week during the first semester.

The purpose of this course is to establish the bases of modern painting, tracing the evolution of Northern realism until its culmination in Rembrandt and the Dutch School; the fusion of the Renaissance and Flemish traditions in Rubens; the contributions of the French Académie and Watteau, and lastly Velasquez as the transition to modern impressionism.

Mediæval Art, Gothic, Mr. Rowley.

Three hours a week during the second semester.

A continuation of the course in Mediæval Art offered in the first semester. Gothic Art, including glass and miniatures, is traced down into the Renaissance.

Modern Painting, Miss King. *Two hours a week during the second semester.*

(This course will be given as in 1921-22.)

Group: History of Art with English, or with French, or with Italian, or with Spanish, or with German, or with History, or with Philosophy.

POST-MAJOR COURSES.

Spanish Painting, Miss King.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting are considered from the early miniature painters down to living painters. Students are expected to learn something about the Spanish character and history and to make short trips to see paintings on exhibition in America.

Renaissance Sculpture, Miss King.

Three hours a week throughout the year.

(Given in 1923-24 and again in 1925-26.)

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the finishing of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

Oriental Art, Mr. Rowley.

*Two hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

This course will consist of a general historical background and the consideration of special problems, such as the influence of Buddhism upon art and the inter-relation of Chinese and Japanese painting. Emphasis will also be placed on the æsthetic differences between the fine arts in the East and in the West. Completion of the minor, Art of the Far East, is *not* a prerequisite.

Renaissance and Modern Architecture, Mr. Rowley.

*Two hours a week throughout the year.**(Given in 1923-24 and again in 1925-26.)*

GRADUATE COURSES.

Four hours a week of seminary work are offered each year to graduate students of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. In addition to the graduate seminaries announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students.

Graduate Courses.Seminary in History of Art, Miss King. *Two hours a week throughout the year.**(Given in each year.)*

In 1921-22 the general subject is Mediæval Art in the period that lies between the sixth and the sixteenth centuries, and the work of the year is devoted to the origins of Romanesque.

In 1922-23 the subject for investigation will be the origins of Romanesque Art. Special attention will be paid to sculpture.

In 1923-24 the subject of the seminary will be Spanish Painting up to 1550; and in 1924-25 later Spanish Painting.

Graduate work in modern painting will also be arranged for any student who wishes to combine History of Art with English or French literature. While the order of the seminaries may be altered to suit the needs of individual students, certain canons of art, and certain æsthetic problems will be considered in successive years.

Seminary in History of Art, Mr. Rowley. *Two hours a week throughout the year.**(Given in each year.)*

The subject of the seminary is Sienese Painting.

Journal Club in Modern Art, Miss King and Mr. Rowley.

Two hours once a fortnight throughout the year.

The instructors and the graduate students meet for the presentation and discussion of current literature on the History of Art.

Music.

The instruction in this department is under the direction of Mr. Thomas Whitney Surette, Director of the department, and Mr. Horace Alwyne, Associate Professor of Music.

The instruction offered in theoretical music covers fourteen hours of lectures a week exclusive of two graduate courses which will require about two-thirds of the student's time.

The objects of the undergraduate course in music are: to permit students to make music an integral part of a liberal education, and to enable them to feel and understand the music of the great masters, and to realize its significance historically as well as æsthetically. In the class exercises students constantly hear great compositions played so that the analysis made in the class shall be as far as possible based on the emotion or feeling of delight produced by the music. The courses in theoretical music leading from elementary harmony up to original composition are intended for those students who desire to specialize in Music.

The Department of Music gives a series of Lecture-Recitals assisted by members of the Philadelphia Symphony Orchestra and other well-known artists, which is designed to supplement and amplify the work done in the courses in History and Appreciation of Music.

The chapel choir and the glee club are organised under the direction of the Department of Music.

FREE ELECTIVE COURSES.

Free Elective Courses.

History and Appreciation of Music, Mr. Surette and Mr. Alwyne.

Three hours a week throughout the year.

(Given in 1921-22 and in each succeeding year.)

This course consists of the study of the History of Music up to and including Beethoven, and of the masterpieces of music produced during that period. Characteristic works of sixteenth century vocal polyphony are studied, and compositions of the following composers are played in class: Scarlatti, Corelli, Rameau, Couperin, and their contemporaries; Bach, Handel, Haydn, Mozart and Beethoven. The forms included are the folk-song, motet, madrigal, fantasia, toccata, etc., the fugue, suite, rondo, theme and variations, sonata and symphony. All study and analysis is based on the music itself. The instruction is given by means of lectures, required reading, discussion and by analysis by the students in class.

Elementary Harmony, Mr. Alwyne.

Two hours a week throughout the year.

(Given in 1921-22 and in each succeeding year.)

Preliminary requirements for admission: knowledge of chords, scales and keys, ability to sing from note and to take musical dictation.

This course is the beginning of composition. It offers the student within certain limitations a choice in dealing with materials æsthetically. It does not impose upon the student mere copying of a model, but gives her some intellectual and æsthetic liberty. The student learns to use major and minor triads in their root positions and inversions and the dominant seventh chord. The student learns not only to write these logically but to hear them when writing them. Original melodies are required, these being based on poetic meters.

Advanced History and Appreciation of Music, Mr. Surette and Mr. Alwyne.

Three hours a week throughout the year.

(Given in 1922-23 and in each succeeding year.)

The preliminary course in History and Appreciation of Music is required for admission.

This course consists of the study of the History of Music from Schubert through Brahms and César Franck and of the musical masterpieces produced during that period. The instruction follows the same plan as in the preceding course.

Advanced Harmony, Mr. Surette and Mr. Alwyne.

Two hours a week throughout the year.

(Given in 1922-23 and in each succeeding year.)

Preliminary requirements for admission: the course in Elementary Harmony; or the student must satisfy the instructor that she is qualified.

This course is the continuation of the course in Elementary Harmony and carries the student through modern harmonic relations. Original melodies are written and harmonized, many modern compositions are analyzed, and an opportunity is given for freedom of expression.

Counterpoint, Mr. Surette and Mr. Alwyne.

Two hours a week throughout the year.

(Given in 1922-23 and in each succeeding year.)

Preliminary requirements for admission: the two courses in Harmony; or the student must satisfy the instructor that she is qualified to enter.

This course deals with the various modes of counterpoint to which the courses in Harmony have led in so far as it has been possible to bring about "horizontal" writing in those courses. This course offers full opportunity for the expression of the individual student.

Canon and Fugue, Mr. Alwyne.

Two hours a week throughout the year.

(Given in 1922-23 and in each succeeding year.)

Preliminary requirements for admission: the three preceding courses in Harmony and Counterpoint; or the student must satisfy the instructor that she is qualified to enter.

This course deals with the stated contrapuntal forms and requires some originality on the part of the student and some facility in pianoforte playing.

GRADUATE COURSES.

The graduate courses may lead under certain fixed conditions to the degree of Master of Arts, but are not permitted to count as any part of the requirements for the degree of Doctor of Philosophy. **Graduate Courses.**

Students wishing to specialize in music who meet the preliminary requirements of the Academic Council for the degree of Master of Arts will be allowed to become candidates for the degree of Master of Arts of Bryn Mawr College in Music only if they have offered the equivalent of two seminaries in Music together with a seminary in Education or some other seminary, subject in each case to the approval of the Committee on Graduate Courses and of the Director of the Department of Music.

Preliminary requirements for admission to graduate courses in music:

1. A.B. degree from a college of recognized standing.
2. Certain standards of knowledge or facility in instrumental or vocal music will be required of all students. Students offering vocal music to answer the above require-

ments will be expected to have some facility in piano playing. Students who are deficient in the above requirements will be recommended by the Department of Music to certain qualified teachers outside the college.

3. Courses in the History of Music, Harmony and Counterpoint, in general equivalent to the undergraduate courses given in Bryn Mawr College, must have been taken, or must be taken without credit, as preliminary to graduate work.

Seminaries in Music, Mr. Surette and Mr. Alwyne.

Two to five hours a week throughout the year.

(Given in 1922-23 and in each succeeding year.)

The theoretical aspects of music, original composition, etc., will be studied in the seminars, and each will occupy about two-thirds of the student's time. Two seminars will be offered as required and the subjects studied will be selected after due consideration of the needs of the students.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Anna Johnson Pell, Associate Professor of Mathematics.

The instruction offered in mathematics covers twenty and a half hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work, one hour a week of free elective work, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

Preparatory Course.

The two hour course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Analytical Conics, Dr. Scott.

Three hours a week.

Trigonometry, including Series, Dr. Scott.

Two hours a week.

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

2nd Semester.

Elementary Differential and Integral Calculus, Dr. Pell. Three hours a week.

Algebra and Theory of Equations, Dr. Pell.

Two hours a week.

The three hour and two hour courses in this semester may not be elected separately.

SECOND YEAR.

1st Semester.

(Given in each year.)

Differential and Integral Calculus and Differential Equations, Dr. Pell.

Three hours a week.

Theory of Equations, Determinants, Dr. Pell.

Two hours a week.

2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott. Three hours a week.

Analytical Geometry of two and three Dimensions, Dr. Scott.

Two hours a week.

The three hour and two hour courses in each semester may not be elected separately.

Group: Mathematics with Greek, *or* with Latin, *or* with Philosophy, *or* with Psychology, *or* with Philosophy and Psychology, *or* with Physics, *or* with Chemistry, *or* with Geology, *or* with Biology.

FREE ELECTIVE COURSES.

Graphic Mathematics, Dr. Scott.

One hour a week throughout the year.

(Given in alternate years when the time of the department permits.)

The course deals with statistical work, standard graphs and interpolation. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

One hour a week throughout the year.

(Given in alternate years when the time of the department permits.)

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work.

**Major
Course.****Free
Elective
Course.****Post-
Major
Courses.**

As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following, with occasional modifications.

Lectures on Modern Pure Geometry, Dr. Scott.

Two hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

Special Topics in Geometry, Dr. Scott. *Two hours a week throughout the year.*

(Given in 1923-23.)

Lectures on special topics in geometry, such as homogeneous coordinates, circular coordinates, families of curves, certain transcendental curves, geometrical transformations, etc.

General Course in Analysis, Dr. Pell. *Three hours a week throughout the year.*

(Given in 1921-22.)

This course deals with the development of subjects such as determinants, infinite series, Fourier's series, definite integrals, differential equations, etc.

Theory of Functions of a Complex Variable, Dr. Pell.

Two hours a week throughout the year.

(Given in 1922-23.)

Calculus of Finite Differences and Theory of Probability, Dr. Pell.

One hour a week throughout the year.

(Given in 1922-23.)

Higher Algebra, Dr. Pell.

Two hours a week throughout the year.

(Given in 1923-24.)

Theory of Numbers, Dr. Pell.

One hour a week throughout the year.

(Given in 1923-24.)

GRADUATE COURSES.

Graduate Courses.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The subjects vary from year to year so that the seminaries may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Mathematical Seminary, Dr. Scott.

Two hours a week throughout the year.

(Given in each year.)

In 1921-22 the principal part of the year's work is devoted to a detailed study of Cremona and Riemann Transformations, including an account of the analysis of singularities. The theory of groups of points on a curve (geometry on a curve) is taken up in this connection.

An additional half-seminary is devoted to a detailed treatment of cubic curves and a more general discussion of quartic curves.

In 1922-23 the subject of the seminary will be Geometry on a Curve and Linear Systems of Curves. Special attention will be paid to the Italian treatment.

In 1923-24 Differential Geometry of Curves and Surfaces will be studied in the seminary. While Eisenhart's book will be taken as a guide it is expected that the work will be connected with that of Darboux.

In 1924-25 Topology of Plane Algebraic Curves will be the subject of the seminary. Seminary work in special plane curves, algebraic or transcendental, will be offered if needed.

Mathematical Seminary, Dr. Pell.

Two hours a week throughout the year.

(Given in each year.)

In 1921-22 the subject of the seminary for the first semester is the Calculus of Variations. Besides the general theory, isoperimetric problems and discontinuous solutions are considered. The subject of the seminary for the second semester is Integral Equations. The Volterra, Fredholm, Hilbert and Schmidt theories will be studied.

A seminary in the Theory of Functions of a Complex Variable is also given to meet the needs of certain students.

In 1922-23 Theory of Functions of Infinitely Many Variables will be the subject of the seminary. The work of Hilbert, Schmidt, Hellinger, Toeplitz and others will be studied.

In 1923-24 a seminary in Theory of Functions of a Complex Variable will be offered.

Mathematical Journal Club, Dr. Scott and Dr. Pell.

One hour a fortnight throughout the year.

The Journal Club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and Instructors: Dr. Florence Bascom,* Dr. William B. Huff, Dr. David Hilt Tennent,† Dr. James Barnes, Dr. Roger Frederic Brunel, Dr. James Llewellyn Crenshaw, Dr. Anna Baker Yates, Dr. Franz Schrader, Dr. Malcolm Havens Bissell, Dr. W. S. Tangier Smith (elect), Miss Sue Avis Blake, Miss Edith Hamilton Lanman (elect), Miss Mary L. Morse, and Miss Helen Ingraham.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories are open for students from nine to six daily.

* Granted sabbatical leave of absence for the year 1922-23. The courses offered by Professor Bascom will be given by Dr. W. S. Tangier Smith.

† Granted sabbatical leave of absence for the year 1922-23. The courses offered by Professor Tennent will be given by Dr. Anna Baker Yates and by Dr. Franz Schrader.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,* and it is easy for a student to elect a course corresponding exactly to the Preliminary Medical

* REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.

"As candidates for the degree of Doctor of Medicine the school receives:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University. (Group V.)

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry, and physics as is given in detail below.†

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† **BIOLOGY.**—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week (180 hours) upon the structure, functions and life-histories of selected types of animals and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

CHEMISTRY.—Each year's course comprises three classroom exercises a week and five to six hours of laboratory work. In and after October, 1922, three years' preparation in chemistry will be required, including at least 240 hours of classroom work and 500 hours of laboratory work. The former must include 60 hours in organic chemistry and a short course in physical chemistry; while the latter must include one year's work in quantitative analysis and 120 hours in organic chemistry.

PHYSICS.—A collegiate course for at least one year is required. This must include four hours a week of classroom work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

LATIN.—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

Similar requirements are made for admission to the Medical College of Cornell University.

The Women's Medical College of Pennsylvania admits students of Bryn Mawr College who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Women's Medical College presented to Bryn Mawr College in 1910 a scholarship giving free tuition and renewable for the four years of the college course to be awarded to a graduate of the college.

Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology for two years and chemistry for three years.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Professor of Physics, and Miss Sue Avis Blake, Instructor in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one or two hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major courses in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes.

Three hours a week.

**Major
Course.**

Laboratory Work, Dr. Barnes and Miss Blake.*Six hours a week.*

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Kimball's *College Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.*1st Semester.**(Given in each year.)***Theoretical Mechanics, Theory of Light, Dr. Barnes.***Three hours a week.***Laboratory Work, Dr. Barnes and Miss Blake.***Six hours a week.**2nd Semester.***Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.***Three hours a week.***Laboratory Work, Dr. Huff and Miss Blake.***Six hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Mathematics, or with Chemistry, or with Geology, or with Biology.

FREE ELECTIVE COURSE.**Physical Basis of Music, Dr. Huff.***One hour a week throughout the year.**(Given in each year.)***Free
Elective
Courses.**

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

POST-MAJOR COURSES.

**Post-
Major
Course.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigations pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

(Given in 1921-22.)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*

(Given in 1923-24.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff. *Three hours a week during the second semester.*

(Given in 1923-24.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Spectroscopy, Dr. Barnes. *Three hours a week during the first semester.*

(Given in 1922-23.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy and atomic structure are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics, Dr. Barnes. *Three hours a week during the second semester.*

(Given in 1922-23.)

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

General Optics, Dr. Barnes.*Three hours a week throughout the year.**(Given in 1924-25.)*

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

GRADUATE COURSES.

Graduate Courses.

The graduate seminars consist of lectures, laboratory work, and original research under the direction of the instructors, the subjects varying from year to year so that the seminars may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Physical Seminary, Dr. Huff.*Three hours a week throughout the year.**(Given in alternate years.)*

In 1922-23 Radio-activity and Discharge of Electricity through gases is the subject of the seminary in the first semester and Electron Theory in the second semester. The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given. In the Electron Theory the mathematical development of the subject is first dealt with and this is followed by experimental tests of theory.

In 1924-25 Mathematical Theory of Electricity and Magnetism will be discussed. The lectures will be based on Maxwell's standard work, and include a general account of the later development of the theory.

Physical Seminary, Dr. Barnes.*Three hours a week throughout the year.**(Given in alternate years.)*

In 1921-22 Thermo-dynamics and Radiation are the subjects of the seminary. The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

In 1923-24 the seminary deals with a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the seminary.

Physical Journal Club, Dr. Huff and Dr. Barnes.*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new

methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Professor of Chemistry, Dr. James Llewellyn Crenshaw, Associate Professor of Physical Chemistry, and Miss Mary L. Morse, Demonstrator in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in inorganic chemistry and qualitative analysis.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are on physical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Introduction to General Chemistry, Dr. Brunel.

Three hours a week.

Laboratory Work, Dr. Brunel.

Six hours a week.

**Major
Course.**

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. After all the experiments on a given subject have been carried out the results are discussed in the class-room.

2nd Semester.

The Chemistry of the Metals, Dr. Crenshaw.

Three hours a week.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading.

The laboratory work consists of qualitative analyses. The students are first taught to identify the basic and acidic constituents of solutions; later they are required to carry out analyses of alloys and minerals.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on Elementary Physical Chemistry, Dr. Crenshaw.

Three hours a week.

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria. Private reading and outside preparation amounting to at least three and a half hours is required.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2nd Semester.

Organic Chemistry, Dr. Brunel.

Three hours a week.

The methods of preparation and the behaviour of the various classes of organic compounds are studied. Particular emphasis is laid on the relation between the arrangement of atoms within the molecule and the behaviour of the compounds, and on the processes of reasoning by which the constitution of organic compounds is established.

Laboratory Work, Dr. Brunel.

Six hours a week.

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

Group: Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Organic Chemistry, Dr. Brunel.

Two hours a week throughout the year.

(Given in each year.)

The course consists of lectures, assigned reading with occasional reports, and laboratory work. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week is required, three hours' credit being given for the course. The laboratory work consists of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Physical Chemistry, Dr. Crenshaw.

Two hours a week throughout the year.

(Given in each year.)

The aim of the lectures is to extend the student's knowledge of physical chemistry and to lay a foundation for independent work in this subject. The lectures are supplemented by assigned reading and reports and are intended to give a general outline of the subject. The solution of a large number of problems is required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry, Dr. Crenshaw. *One hour a week throughout the year.*
(Given in each year.)

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of six hours a week advanced quantitative analyses are included.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminars, reports upon current chemical literature, and laboratory work. A reading knowledge of French and German is indispensable. **Graduate Courses.**

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw.

No undergraduates are admitted to graduate courses.

Chemical Seminary, Organic Chemistry, Dr. Brunel.
One hour a week throughout the year.
(Given in each year.)

This is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Chemical Seminary, Inorganic Chemistry, Dr. Crenshaw.
One hour a week throughout the year.
(Given in each year.)

The work of the seminary consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Advanced Organic Chemistry, Dr. Brunel. *One hour a week throughout the year.*
(Given in each year.)

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest. In the year 1922-23 a considerable part of the time will be spent upon the carbohydrates.

Students counting this course as the equivalent of a seminary are required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Physical Chemistry, Dr. Crenshaw. *Two hours a week throughout the year.*
(Given in each year.)

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary are required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work consists of physico-chemical measurements.

Chemical Journal Club, Dr. Brunel and Dr. Crenshaw.
One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom,* Professor of Geology, Dr. Malcolm Havens Bissell, Associate in Geology, and Dr. W. S. Tangier Smith, Lecturer (elect) in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate major and minor work, three free elective courses of two hours and one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week, but all these courses will not be given in the same year.

The purpose of the major course in geology is to make clear to the student the constitution and history of the earth and the processes which have been operative in its evolution. The first year of the major course is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The second year of the major course deals with rocks and minerals, and with their arrangement in the lithosphere.

Post-major courses in petrography or mineralogy, economic geology, stratigraphy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species, in the genesis of ores and in the principles of stratigraphy and paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

* Granted sabbatical leave of absence for the year 1922-23. The courses announced by Professor Bascom will be given by Dr. W. S. Tangier Smith.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Physiography, Dr. Bascom.*

Three hours a week.

**Major
Course.**

Field Work and Laboratory Work, Dr. Bascom.*

Six hours a week.

The lectures deal primarily with the character and action of the forces which control the lands and with the features produced by these forces; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographic relief models, and maps.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted by means of practical exercises and the use of topographic maps and models.

For the field work, excursions are made into the immediate neighborhood during the autumn and spring. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2nd Semester.

Introduction to Historical Geology, Dr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Dr. Bissell.

Six hours a week.

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania, and to the Mesozoic and Cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lithology, Dr. Bissell.

Three hours a week.

Field Work and Laboratory Work, Dr. Bissell.

Six hours a week.

The lectures discuss the materials which constitute the earth's crust; the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory the students become familiar with methods for the rapid determination of the most common and most important rock forming and ore minerals; this is followed by a systematic study of the principal rock types.

Field excursions are made to mineral localities in the vicinity of the college.

2nd Semester.

Glaciology and Structural Geology, Dr. Bascom.*

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.*

Six hours a week.

The lectures treat of the evidences, conditions, and causes of the glacial period; the development of man; the causes and effects of earth movements; the origin and age of the earth. The course is illustrated with models, photographs, and lantern slides.

* See footnote, page 144.

In the laboratory topographic maps, geologic folios, and models illustrating features due to glaciation and folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Economics and Politics, or with Philosophy, or with Mathematics, or with Physics, or with Chemistry, or with Biology.

FREE ELECTIVE COURSES.

Free Elective Courses.

Cosmogony, Dr. Bascom.*

One hour a week throughout the year.

(Given in 1922-23 and in 1924-25 if the time of the department permits.)

The work of the course is conducted by means of lectures, required reading, and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The course is designed to give a survey of the more important results reached by geological research. It will be given only if elected by a sufficient number of students.

Natural Resources and Their Conservation, Dr. Bissell.

Two hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

The aim of this course is to impart the knowledge concerning natural resources and their economic and political significance which is essential to a proper understanding of present day national and world problems. Some of the topics discussed are: The increasing dependence of man on natural resources; iron and coal as essentials of modern civilization; mechanical power and its sources, past, present and future; food supplies of the present and future; natural resources and international politics. The treatment of the subject will be as broad as possible, and particular attention will be paid to the problems of the United States.

Principles of Modern Geography, Dr. Bissell.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

This course is designed particularly to present the point of view of the "new geography." In general it deals with the relation of man and of human activities to physical environment and physiographic facts are studied only in so far as they affect human relationships. Much emphasis is placed on the importance of the geographic factor in the study of historical, political, social, and economic problems.

POST-MAJOR COURSES.

Post- Major Courses

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Petrography, Dr. Bascom.

Three hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic

* See footnote, page 144.

distribution, and geologic associations of igneous rocks are treated. Practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Determinative Mineralogy, Dr. Bascom.*

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis is placed on crystal forms and practice is given in the use of the two-circle contact goniometer.

Economic Geology, Dr. Bissell.

Two hours a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

The origin and geological occurrence of the useful minerals are treated in considerable detail, particular attention being given to the metallic ores.

Stratigraphy and Paleontology, Dr. Bissell.

Three hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

The work of the first semester consists largely of lectures and assigned reading, and is devoted to a thorough study of the principles of sedimentation. This is followed by a consideration of the laws governing the distribution of organisms in time and space.

In the second semester the lectures deal with the evolution of the continents and seas as shown by the record of the sedimentary rocks and their fossils. The successive formations of North America are studied in order, and ancient physiographic conditions deduced as accurately as possible. Particular attention is paid to the evolution of life through the different geological periods and the changes of environment controlling it. In the laboratory the typical fossils of each formation are studied, and the student is required to learn the guide fossils of the more important geological horizons.

GRADUATE COURSES.

The seminary in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate seminary in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate seminary in physiography is designed primarily for graduate students wishing to make physiography a major subject for the degree of Doctor of Philosophy. Further graduate seminars in petrology and physiography will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and physiography, under the direction of Dr. Bissell, but students who make inorganic geology the major subject of examination must take either physiographic geology, inorganic chemistry, or crystallography as the associated minor and students who elect physiographic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Graduate Courses.

* See footnote, page 144.

Seminary in Petrology or Crystallography or Metamorphic Geology,
Dr. Bascom.*

Three hours a week throughout the year.

(Given in each year.)

The seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students and is varied from year to year. In crystallography direction is given in crystal measurement with the two-circle goniometer, in crystal projection, and crystal drawing. When metamorphic geology is the subject of the seminary the products and processes of anamorphism and katamorphism are investigated and classified.

Seminary in Physiography, Dr. Bissell. *Three hours a week throughout the year.*

(Given in each year.)

A broad study of the physiographic cycle forms the basis of this course. The general principles governing the development of land forms are applied to various physiographic types, and the evolution of surface features under the control of climate and geologic structure is studied in considerable detail. This is followed by a study of definite regions illustrating the application of physiographic principles to problems of structural, economic and stratigraphical geology. Lectures, outside reading, reports, map work and field excursions are the methods of instruction. Research problems are taken up if time permits.

Geological Journal Club, Dr. Bascom and Dr. Bissell.

Two hours once a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent,† Professor of Biology, Dr. Anna Baker Yates, Associate in Physiology and Biochemistry, Dr. Franz Schrader, Associate in Biology, and Miss Helen Ingraham, Demonstrator in Biology.

The instruction offered in biology covers twenty-three hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate minor and major work; one hour a week of free elective work; nine hours a week of post-major work, open to graduates and to undergraduates that have completed the major course in biology, and nine hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is

* See footnote, page 144.

† Granted sabbatical leave of absence for the year 1922-23. The courses offered by Professor Tennent will be given by Dr. Anna Baker Yates and Dr. Franz Schrader.

devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is desirable for students entering any course in biology, and is necessary for advanced work in the subject.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Lectures on General Biology, Dr. Tennent.*

Three hours a week.

Laboratory Work, Dr. Tennent* and Miss Ingraham.

Six hours a week.

Major Course.*2nd Semester.*

Lectures in General Biology, Dr. Schrader.

Three hours a week.

Laboratory Work, Dr. Schrader and Miss Ingraham.

Six hours a week.

The object of this course is to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The work is designed not simply to teach the elements of zoölogy and botany, as commonly understood, but in addition to treat plants and animals with constant reference to one another, both as to structure and mode of action. Emphasis is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoölogy, botany, and physiology.

In the first semester the student studies a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher animals and plants. In the second semester attention is given mainly to the biology of the higher animals. Two-thirds of the semester is devoted to a study of the morphology and physiology of vertebrates; the remainder of the semester to a study of the embryology of the frog and, in greater detail, that of the chick.

SECOND YEAR.

1st Semester.

(Given in each year.)

General Zoölogy, Dr. Schrader.

Three hours a week.

Laboratory Work, Dr. Schrader and Miss Ingraham.

Six hours a week.

This course extends the work of the first year so as to include a survey of the morphology and taxonomy of all the main groups of invertebrate animals. Part of the course is devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary from year to year and are intended to be suggestive rather than exhaustive in character.

2nd Semester.

General Physiology, Dr. Yates.

Three hours a week.

* In 1922-23 this course will be given by Dr. Yates.

Laboratory Work, Dr. Yates and Miss Ingraham.*Six hours a week.*

The lectures in general physiology deal with the properties and responses of living matter; with the organization of living matter into groups of cells or tissues specialized to perform specific functions; and with the relation of these several groups of cells to each other.

The comparative physiology of plants and animals is considered for the purpose of gaining a clearer conception of the similarity of life processes and of the changes in structure and function as organisms increase in complexity and become more independent of their environment.

The lectures are supplemented by laboratory experiments, oral reports and written quizzes.

Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.

FREE ELECTIVE COURSE.

Theoretical Biology, Dr. Tennent.**One hour a week throughout the year.**(Given in each year.)*

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. Special attention is given to theories of evolution and heredity. A considerable amount of assigned reading is required.

POST-MAJOR COURSES.

Embryology of Vertebrates, Dr. Tennent. *One hour a week throughout the year.**(Given in 1921-22 and again in 1923-24.)*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.**One hour a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

Experimental Morphology, Dr. Tennent.**One hour a week during the second semester.**(Given in 1922-23 and again in 1924-25.)*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. This course is to be taken with four hours laboratory work as a two-hour course.

Biochemistry, Dr. Yates.*Two hours a week throughout the year.**(Given in 1921-22 and again in 1922-23.)*

The course consists of lectures, assigned reading, and at least four hours of laboratory work a week. It deals with the chemical constitution of living matter; with the sources

* See footnote, page 148.

**Free
Elective
Course.**

**Post-
Major
Courses.**

from which the chemical substances necessary for life are derived; with the chemical changes by which non-living material is incorporated as living matter; with the chemical changes by which both living and non-living matter provide energy for the carrying on of vital processes. In particular the chemical characteristics of the fluids and tissues of the body are studied so as to show, as far as possible, the actual chemical phenomena underlying or influencing the normal functions of the mammalian organism.

A preliminary training in chemistry equivalent to that obtained in the major course is required.

Advanced Physiology, Dr. Yates.

Two hours a week throughout the year.

(Given in 1923-24 and again in 1925-26.)

This course consists of lectures, assigned reading, reports on current investigations, quizzes, and at least four hours of laboratory work a week. It will include an intensive study of the physiological properties of highly specialized tissues in lower vertebrates and mammals. The course will further deal with the interdependence of the parts of the organism and the relation of the parts to the whole, which makes possible an effective and smoothly running living mechanism.

Physiology of Microorganisms, Dr. Schrader.

One hour a week throughout the year.

(Given in 1921-22 and again in 1923-24.)

During the first semester the time is devoted to an introduction to bacteriology, covering the routine bacteriological technique and a consideration of the elementary principles of immunity and infection. In the second semester taxonomy, problems of growth, cell division, regeneration, and reproduction in protozoa are treated. At least four hours of laboratory work a week is required. A special problem is assigned to each student.

Laboratory Work, Dr. Tennent, Dr. Yates and Dr. Schrader.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Schrader or in physiology or in physiological chemistry under the guidance of Dr. Yates.

Graduate Courses.

Seminary in Zoölogy, Dr. Tennent.

Three hours a week throughout the year.

(Given in each year.)

In 1921-22 and again in 1923-24 Embryology of Invertebrates is the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

In 1924-25 Cytology is the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention is given to the phenomena of spermatogenesis and cögenesis and the theories connected therewith.

Seminary in Physiology and Biochemistry, Dr. Yates.

Three hours a week throughout the year.

(Given in each year.)

In 1921-22 the comparative physiology of the nervous system is studied. The development of the nervous system is traced from the primitive forms to its complex form in the higher vertebrates. The bearing of this development on evolution and the significance of this development in the vital functions of the higher organisms is studied.

In 1922-23 the subject will be the general metabolism of the mammalian organism and the influence of the endocrine organs in regulating and modifying vital processes.

In 1923-24 the physiology of the cell will be studied. The work includes a consideration of the physical and chemical constitution of living matter; of the physico-chemical laws underlying life processes; of the dynamics of the single cell and of groups of cells aggregated into tissues.

The order of the subjects may be varied to meet the needs of the students.

Seminary in Biology, Dr. Schrader.

Three hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

In 1922-23 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

Biological Journal Club, Dr. Tennent, Dr. Yates and Dr. Schrader.

One hour a week throughout the year.

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent, Dr. Yates and Dr. Schrader.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

Physical Training.

The instruction in this department is under the direction of Miss Constance M. K. Applebee, Director of Physical Training and Health Supervisor, and Miss Constance Eleanor Dowd, Assistant Director of Physical Training.

Require- ments.

Four periods a week of physical training are required of all resident and non-resident undergraduates. The work of the year is divided into three seasons. During the winter term two periods of class work are required. For students unable to pass the swimming test swimming lessons are required. Students who, in the opinion of the College Physician and the Director of Physical Training, are not in good physical condi-

tion or are not able to fulfil all the requirements of the department, must take special corrective or remedial work under the direction of an instructor trained in medical work. A fee will be charged for these special cases.

A fee of seven dollars a year is charged to each resident undergraduate, and a fee of three dollars and fifty cents a year to each non-resident undergraduate and to each resident graduate student for the up-keep of the athletic fields.

Winter Classes.

Two classes a week.

Classes.

Two classes a week of gymnastics are required of Freshmen and Sophomores. For Juniors and Seniors two of any of the following classes are required: Elementary or Advanced Gymnastics, Fencing, Playground Games, English Country, Morris, Folk or Interpretative Dancing, Eurhythmics, Corrective Gymnastics.

Swimming.

Two lessons a week. Swimming.

Two swimming lessons a week are required of all the students until they have passed the swimming test.

Students, with the exception of first and second class swimmers, who register for swimming are expected to attend swimming classes and trials during one season of each year. Instruction in swimming includes: Strokes, Form and Fancy Diving, Plunging, Racing, Life Saving and Water Polo.

Athletics.

Four required periods.

Athletics.

During the autumn and spring the four required periods and in winter the two periods not taken in class work may be any of the following forms of competitive athletics:

Autumn. Hockey, Tennis, Swimming, Badminton.

Winter. Water Polo, Swimming, Badminton, Soccer, Indoor Tennis.

Spring. Basketball, Tennis, Track, Swimming, Fencing.

During the autumn and spring classes in Dancing, Playground Games, Gymnastics and Corrective Work are held for students not wishing to enter competitive sports.

Hygiene.

One hour a week for one semester.

Hygiene.

A course of Hygiene lectures of one hour a week for one semester, usually taken in the Sophomore year, is required of all undergraduates. This hour is in addition to the four periods of Physical Training, and in addition to the one hundred and twenty hours required for the degree.

Department of Health.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, Chairman of the Committee, the Director of Physical Training, and the Physicians of the College.

All entering students are required to file at the office of the Dean of the College a report of a recent medical examination filled out and signed by a physician, on a blank to be secured from the college.

Health Certificate.

A certificate of successful vaccination or of two unsuccessful vaccinations within two years before entering the college is

Vaccination.

required. Students who have no certificate to this effect are required to be vaccinated by one of the College Physicians. A fee of five dollars is charged.

*Physical
Examination.*

Every undergraduate student and hearer is examined each year by the Assistant Resident Physician of the College, and twice each year by the Director of Physical Training with reference to physical development, strength of heart and lungs, and general health. The Physician in Chief of the College acts as consultant and is referred to in all unusual cases. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year.

*Health
Supervision.*

Any student who, at the time of the examination or at any other time during the year is not in good health is placed on the health supervision list, is required to follow the special régime prescribed, and her extra-curriculum activities may be limited.

All students who are not on the medical supervision list of the attending physicians on account of illness are under the immediate care of the Director of Physical Training. She receives the reports of students under medical treatment, keeps records of the health of all students and endeavours by lectures, interviews, and advice on personal hygiene to maintain and improve the health of the students. All students are expected by the Health Department to take some out-of-door exercise in addition to their periods of Physical Training.

*Graduate
Students.*

All graduate students including those elected to fellowships or scholarships are required to have a medical, physical and oculist's examination and to comply with the health directions of the college physicians. Those who are found to be suffering from uncorrected eye trouble will be expected to follow the oculist's advice. All resident graduate students are required to take the regular exercise prescribed and students who are unwilling to comply with this regulation will not be permitted to live in the halls of residence.

*Physicians
and Nursing.*

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Resident Physician will be in her college office during

the hours from eight to half-past eight and from four to half-past five of every day except Sunday and on Sunday from nine to ten A. M. and may be consulted by the students without charge.

The infirmary fee of \$20.00 paid by each resident undergraduate student and of \$10.00 paid by each resident graduate student entitles each undergraduate student to be cared for in the infirmary for four days, and each graduate student to be cared for for two days (not necessarily consecutive), during the year and to attendance by the college physicians during this time and to nursing, provided her illness is not infectious. It also entitles her to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of longer duration and also in the case of all diseases of an infectious character the student must meet, or in case of two or more students with the same infectious disease, must share, the expense of a special nurse, the infirmary fees, which are \$5.00 a day, and also hospital or sanitarium charges should she be removed from the college by order of the Physician in Chief.

A special nurse for one student costs \$7.10 per day (nurse's fee \$5.00, board \$1.75, laundry .35) or \$49.40 per week (nurse's fee \$35.00 per week, board \$12.00, laundry \$2.40). The infirmary fee is \$5.00 per day. When a student has not an infectious disease the infirmary fee of \$5.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit after the free days provided for above. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will excuse students for absence before and after vacations on account of serious illness and from attendance on academic work during the time that they are in the infirmary or seriously ill at home. Any student who becomes ill when away from the college is asked to send word immediately to the Dean of the College.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighbourhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. Bryn Mawr is connected with Philadelphia by frequent electric trains on the Pennsylvania Railroad and by an electric trolley running every twenty minutes. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, an office for the Alumnae Association, and the offices of administration.

The Donors' Library, the gift of the friends, graduates, and students of the college, was begun in April, 1903, and completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British

Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. On the north side of the main reading-room is the Art and Archæological Seminary, containing collections of photographs, vases, and coins; on the south side are the offices of the Carola Woerishoffer Department of Social Economy. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Book Room, the Christian Association Library, one lecture room, one professor's office, and three cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain fourteen seminary rooms and thirty-two professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art and Archæology, French and Italian and Spanish, German, Semitic Languages and Philosophy and Education and the Magazine Room in the north wing; Mathematics, History, Economics, Carola Woerishoffer Department of Social Economy and Social Research, and Psychology in the south wing, where are also offices for the librarians and cataloguers. The professors' offices for the two senior professors in each department in general adjoin the seminary rooms. There are also two general lecture-rooms, one accommodating forty-two, the other twenty students. On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains an experimental laboratory of the department of Education, two interview rooms, a room for the Monograph Committee of the Faculty, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M. till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnae and students.

The new gymnasium, erected on the site of the first gymnasium as a gift of the Athletic Association, the alumnae and thirteen neighbours of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. The roof, 50 feet wide by 90 feet long, is used for gymnastic drills and students' entertainments. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnae, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and an assistant.

On the grounds, separated from other buildings, is the 1905 Infirmary. It was opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

Plans and descriptions of Taylor Hall, Donors' Library, Dalton Hall, the Gymnasium, the 1905 Infirmary and the six halls of residence, are published in Part 4 of the Bryn Mawr

College Calendar and may be obtained from the Secretary and Registrar of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East. There is a club-room for non-resident students in Cartref and also rooms where the students can have hairdressing and dressmaking done in Merion Hall.

The Phebe Anna Thorne Open Air School of the department of Education is situated on the campus and has its own school building with out-of-door class-rooms, Japanese open-air theatre and athletic ground.

The business administration of the College is carried on through the Superintendent's office in the basement of Rockefeller Hall.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils and every room in the college has separate thermostatic control. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees day and night in all the bathrooms and stationary washstands and tea pantries.

Telephone pay stations by means of which the students may be reached at any time are maintained in the library, gymnasium, infirmary and in each of the halls of residence. The Western Union Telegraph and Cable Company delivers telegrams between the hours of 6 A. M. and 12 P. M. Near the college there are a United States money-order office, two banks and an office of the American Railroad Express.

LIBRARIES.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past thirty-seven years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves over ninety-eight thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 55 and 88.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over six hundred publications and reviews in the English, Greek, French, Italian, Spanish, German, and Swedish languages, are received by the library, as follows:

General and Miscellaneous Periodicals.

Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.

*Amherst Graduates' Quarterly.

Asia.

Atlantic Monthly.

Bookman.

Bookman (English).

Bookseller.

*Bryn Mawr Alumnae Bulletin.

Bulletin of Bibliography.

*Bulletin of the New York Public Library.

*Bulletin of the Pan-American Union.

Century.

Contemporary Review.

Cumulative Book Index.

Dearborn Independent.

Deutsche Rundschau.

Dial.

Drama.

Edinburgh Review.

English Review.

La Esfera.

Fortnightly Review.

Forum.

Göttingische Gelehrte Anzeigen.

Harper's Monthly Magazine.

Harvard Graduates' Magazine.

L'Illustration.

L'Illustrazione Italiana.

Independent and Weekly Review.

Inter-America.

International index to Periodicals.

Jahresverzeichniss der an den deutschen

Schulanstalten erschienenen Abhandlungen.

*Japan Society Bulletin.

*Johns Hopkins University, Circulars.

Library Journal.

Literary Digest.

Living Age.

London Mercury.

Mercure de France.

Mind and Body.

- Minerve Française.
 *Monthly Bulletin of the Carnegie Library of Pittsburgh.
 Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
 Nation, N. Y.
 Nation and Athenaeum.
 Neue Rundschau.
 New Republic.
 New Statesman.
 New York Times Index.
 Nineteenth Century.
 North American Review.
 Nouvelle Revue Française.
 Nuevo Mundo.
 Nuova Antologia.
 Outlook.
 *Pennsylvania Library Notes.
 Preussische Jahrbücher.
 Public Affairs Information Service Bulletin.
 Publishers' Weekly.
 Punch.
 Quarterly Review.
 Reader's Guide to Periodical Literature.
 Review of Reviews.
 Revue Critique d'Histoire et de Littérature.
 Revue de Paris.
 Revue des Deux Mondes.
 *Revue Internationale de la Croix-rouge.
 Revue Politique et Littéraire; Revue Bleue.
 Saturday Review.
 Scientia.
 Scribners Magazine.
 Sewanee Review.
 Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.
 Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.
 Spectator.
 Theater Arts Magazine.
 *University of California, Publications.
 *University of Missouri, Studies.
 *University of Nebraska, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Weekly Review of the Far East.
 World's Work.

Newspapers.

- *College News, Bryn Mawr.
 Corriere della Sera.
 Daily News Record.
 *Home News, Bryn Mawr.
 London Times.
 New York Times.
 Philadelphia Public Ledger.
 El Sol.

Art and Archæology.

- American Journal of Archæology.
 Archæologike Ephemeris.
 Art and Archæology.
 Art Bulletin.
 Art in America.
 L'Arte.
 Boletín de la Sociedad Española a Excursiones.
 British School at Athens, Annual.
 Bulletin of the Metropolitan Museum of Art, New York.
 *Bulletin of the Rhode Island School of Design.
 Bulletino della Commissione archæologica comunale di Roma.
 Burlington Magazine.
 Denkmäler der Malerei des Altertums.
 Emporium.
 Gazette des Beaux Arts.
 International Studio.
 Jahrbuch der königlich preuss kunst-sammlungen.
 Jahrbuch des Deutschen Archæologischen Instituts.
 Jahreshefte des Österreichischen Archæologischen Instituts in Wien.
 Journal of Hellenic Studies.
 Journal international d'archéologie numismatique.
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.
 Mittheilungen des Deutschen Archæologischen Instituts, Athenische Abteilung.
 Mittheilungen des Deutschen Archæologischen Instituts, Römische Abteilung.
 Museum Journal.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Rassagne d'arte.
 Revue archéologique.
 Revue de l'art.
 Rivista d'arte.
 Syria.
 Zeitschrift des Deutschen Palästina Vereins.
 Zeitschrift für bildende kunst.

Economics and Politics.

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| <p>*Advocate of Peace.
All Opinions of the U. S. Supreme Court.
*American Association for International Conciliation, Publications.
American City.
American Economic Review.
*American Economist.
American Federationist.
American Journal of International Law.
American Municipalities.
American Political Science Review.
*The Americas.
Annalist.
Annals of the American Academy of Political and Social Science.
Bibliographie der Sozialwissenschaften.
Canadian Municipal Journal.
Citizens Business.
City Record, Boston.
Columbia Law Review.
Columbia Studies in History, Economics and Public Law.
Commerce Monthly.
Commerce Reports.
*Congressional Record.
Economic Journal.
Good Government.
Great Britain, Quarterly List of Official Publications.</p> | <p>*Guaranty News.
Handbuch der öffentlichen Rechte.
Harvard Law Review.
Jahrbücher für Nationalökonomie und Statistik.
Johns Hopkins University Studies in Historical and Political Science.
Journal of Political Economy.
Journal of the Royal Statistical Society.
League of Nations Official Journal.
Modern City.
Municipal Journal, Baltimore.
National Municipal Review.
National Tax Association Bulletin.
Political Science Quarterly.
Proceedings of the Academy of Political Science.
Proportional Representation Review.
Publications of the American Economic Association.
Quarterly Journal of Economics.
Revue bibliographique.
Revue général de Droit international public.
Searchlight on Congress.
Short Ballot Bulletin.
Yale Review.
Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung</p> |
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Social Economy and Social Research.

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| <p>*Advance.
American Child.
American Child Hygiene Association, Transactions.
American Flint.
American Industries.
American Journal of Public Health.
American Journal of Sociology.
American Labor Legislation Review.
*American Pressman.
American Review of Tuberculosis.
*Bakers' Journal.
Better Times.
*Bridgeman's Magazine.
*Broom-maker.
Bulletin of the International Labour Office.
Bulletin of the National Tuberculosis Association.
Bulletin of the National Society for Vocational Education.
*Bulletin of the New York State Department of Labor.
Bulletin of the Taylor Society.
*Carpenter.</p> | <p>Charity Organization Review.
*Commercial Telegraphers' Journal.
Community Center.
Corporation Training.
Economic World.
*Electrical Worker.
*Elevator Constructor.
Eugenics Review.
Factory.
Filing and Office Management.
*Garment Worker.
*Granite Cutters' Journal.
Housing Betterment.
Industrial Arts Index.
Industrial Bulletin.
Industrial Information Service.
Industrial Management.
Industrial News Survey.
*Institution Quarterly.
*International Bookbinder.
*International Musician.
*International Steam Engineer.
Iron Age.
Journal of Applied Sociology.</p> |
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- Journal of Criminal Law.
 Journal of Delinquency.
 Journal of Heredity.
 Journal of Industrial Hygiene.
 Journal of International Relations.
 Journal of Personal Research.
 Journal of Social Hygiene.
 *Journal of the Cigar Makers' International Union.
 Journal of the Outdoor Life.
 *Journeyman Barber.
 Labor Age.
 Labor Bulletin of the Massachusetts Bureau of Statistics.
 Labor Gazette.
 *(The) Lather.
 *Law and Labor.
 *Leatherworkers' Journal.
 Life and Labor.
 *Machinists' Journal.
 *Metal Polishers' Journal.
 *Motorman and Conductor.
 *Mixer and Server.
 Nation's Business.
 Nation's Health.
 National Conference of Social Work Bulletin.
 100%, The Efficiency Magazine.
 *Ohio State Institution Journal.
 The Organizer.
 *Painter and Decorator.
 *Papermakers' Journal.
 *Patternmakers' Journal.
 *Paving Cutters' Journal.
 *Plasterer.
 Playground.
 *Plumbers' Journal.
 Proceedings of the National Conference of Social Work.
 *Progressive Labor World.
 Publications of the American Statistical Association.
 *Public Health, Michigan.
 *Quarry Workers' Journal.
 *Railway Carmen's Journal.
 *Railway Clerk.
 *Retail Clerks' International Advocate.
 Seaman's Journal.
 *Shoeworkers' Journal.
 Social Hygiene Bulletin.
 Social Service Review.
 *Stereotypers' and Electrotypers' Journal.
 Survey.
 System.
 *Tailor.
 *Teamsters', Chauffeurs', Stablemen and Helpers' Magazine.
 *Textile Worker.
 *Tobacco Workers' Journal.
 *Trade Union News.
 *Typographical Journal.
 *United Association of Journeymen Plumbers' Journal.
 *U. S. Bureau of Immigration, Publications.
 *U. S. Bureau of Labor Statistics, Bulletin.
 *U. S. Bureau of the Census, Publications.
 *U. S. Children's Bureau, Publications.
 *University of Illinois, Studies in Social Sciences.
 *University of Minnesota, Studies in Social Sciences.
 *Woodcarver.

Education.

- Education.
 Educational Review.
 Educational Times.
 Elementary School Journal.
 Journal of Educational Psychology.
 Journal of Educational Research.
 Journal of Experimental Pedagogy.
 *Journal of the Association of Collegiate Alumnae.
 Lehrproben und Lehrgänge.
 Manual Training Magazine.
 National Education Association, Publications.
 National Society for the Study of Education Yearbook.
 Normal Instructor.
 Pädagogische Studien.
 Pedagogical Seminary.
 Revue Internationale de l'Enseignement Supérieur.
 Revue Universitaire.
 School and Society.
 School Journal.
 School Review.
 School Science and Mathematics.
 Supplementary Education Monographs.
 Teachers' College Contributions to Education.
 Teachers' College Record.
 *U. S. Bureau of Education, Bulletin.
 *University of California Publications, Education.
 Zeitschrift für pädagogische Psychologie.

History.

American Historical Association, Reports.
 American Historical Review.
 *Catholic Historical Review.
 Current History.
 English Historical Review.
 Historical Manuscripts Commission, Reports.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 History.

*Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.
 Klio, Beiträge zur alten Geschichte.
 Révolution française.
 Revue des Études Napoléoniennes.
 †Revue des Questions historiques.
 Revue historique.
 Round Table.
 Royal Historical Society, Transactions.
 Selden Society, Publications.

Philology and Literature, Classical.

†Bulletin bibliographique et pédagogique
 du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Commentationes philologae Jenenses.
 Dissertationes philologicae halenses.
 Glotta.
 Harvard Studies in Classical Philology.
 Hermes.
 Jahresbericht über die Fortschritte der
 klassischen Altertumswissenschaft.
 Journal of Roman Studies.

†Le Musée Belge, Revue de Philologie
 classique.
 Mnemosyne.
 Philologische Untersuchungen.
 Philologus.
 Quellen und Forschungen zur lateinischen
 Philologie.
 Revue de Philologie.
 Revue des Études grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Sokrates.
 Studi Italiani di Filologia classica.
 †Studi Storici per l'Antichità classica.
 Wiener Studien, Zeitschrift für klassische
 Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 †Eranos.
 Indogermanische Forschungen.
 Journal of English and Germanic Philology.
 Journal of Philology.
 Neue Jahrbücher für das klassische Altertum,
 Geschichte und deutsche Literatur.
 Philologica.

Philological Quarterly.
 Philological Society, London, Publications.
 Philologische Wochenschrift.
 Transactions of the American Philological
 Association.
 Zeitschrift für die österreichischen Gymnasien.
 †Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Acta Germanica.
 Anglia.
 Anglistische Forschungen.
 †Annales Romantiques.
 Archiv für das Studium der neueren
 Sprachen.
 Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia.
 Beiträge zur Geschichte der deutschen
 Sprache und Literatur.

Bibliographical Society of America, Publications.
 Bibliographical Society of London, Transactions.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin hispanique.
 Bulletino della Società Dantesca Italiana.
 Chaucer Society Publications (both series).
 Deutsche Literaturzeitung.
 Deutsche Texte des Mittelalters.
 Dialect Notes.

* Presented by the Publishers.

† Suspended publication.

Early English Text Society, Publications
(both series).
English Leaflet.
English Journal.
Englische Studien.
Euphorion.
Forschungen zur neueren Literaturge-
schichte.
†Germanisch-romanische Monatsschrift.
Giornale Storico della Letteratura italiana.
Goethe Jahrbuch.
Henry Bradshaw Society, Publications.
Hispania.
Jahrbuch der Deutschen Shakespeare
Gesellschaft.
Jahrbuch des Vereins für niederdeutsche
Sprachforschung.
Jahresbericht über die Erscheinungen auf
dem Gebiete der germanischen Philo-
logie.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für nieder-
deutsche Sprachforschung.
†Kritischer Jahresbericht über die Fort-
schritte der romanischen Philologie.
Literarische Echo.
Literarisches Centralblatt.
Literaturblatt für germanische und roman-
ische Philologie.
Malone Society, Publications.
Materialien zur Kunde des älteren engli-
schen Dramas.
Modern Language Journal.
Modern Language Notes.
Modern Language Review.
Modern Languages.
Modern Philology.
Münchener Beiträge zur romanischen und
englischen Philologie.

Palaestra.
Notes and Queries.
Poet-lore.
Praeger deutsche Studien.
Publications of the Modern Language
Association.
Quellen und Forschungen zur Sprach- und
Kulturgeschichte der germanischen
Völker.
Rassegna Bibliografica.
Revista de Filologia Española.
Revue Celtique.
Revue d'Histoire Littéraire de la France.
†Revue Germanique.
Revue de Littérature Comparée.
Revue Hebdomadaire.
Revue Hispanique.
Romania.
Romanic Review.
Romanische Forschungen.
Scottish Text Society, Publications.
Société des Anciens Textes Français, Pub-
lications.
Société des Textes Français Modernes,
Publications.
Studien zur englischen Philologie.
Studies in Philology.
Wiener Beiträge zur englischen Philologie.
Yale Studies in English.
Zeitschrift für den deutschen Unterricht.
Zeitschrift für deutsche Philologie.
Zeitschrift für deutsches Altertum und
deutsche Literatur.
Zeitschrift für deutsche Wortforschung.
Zeitschrift für französische Sprache und
Litteratur.
Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages
and Literatures.
Jewish Quarterly Review.
Journal of the Royal Asiatic Society.
Journal of the Society of Oriental Research.

†Recueil de Travaux relatifs à la Philologie
et à l'Archéologie égyptiennes et
assyriennes.
Zeitschrift für ägyptische Sprache und
Altertumskunde.
Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Ophthalmology.
American Journal of Physiological Optics.
American Journal of Psychology.
†Année psychologique.
Archiv für die gesamte Psychologie.
Archiv für Geschichte der Philosophie.
Archiv für systematische Philosophie.

Archives de Psychologie.
†Archives of Psychology.
Behavior Monographs.
British Journal of Psychology.
British Journal of Psychology: Mono-
graph Supplements.
†Bulletin de l'Institut Psychologique.

Fortschritte der Psychologie.
 Hibbert Journal.
 International Journal of Ethics.
 †Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal and Social Psychology.
 †Journal of Animal Behaviour.
 Journal of Applied Psychology.
 Journal of Comparative Psychology.
 †Journal of Experimental Psychology.
 Journal of Philosophy.
 Mind.
 Monist.
 Philosophical Review.
 Proceedings of the Aristotelian Society.
 Proceedings of the Society for Psychical Research.
 Psychological Bulletin.
 Psychological Clinic.

Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 †Psychologische Arbeiten.
 Psychologische Studien.
 Revue de Métaphysique.
 Revue philosophique.
 Training School Bulletin, Vineland.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrsschrift für wissenschaftliche Philosophie u. Soziologie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
 Anglican Theological Review.
 †*Christian Register.
 Expositor.
 Expository Times.
 Harvard Theological Review.
 Journal of Biblical Literature.
 Journal of Religion.

Journal of Theological Studies.
 Pilgrim.
 *Publications of the American Jewish Historical Society.
 Religious Education.
 Revue biblique.
 *Spirit of Missions
 *Woman's Missionary Friend

Science, General.

American Journal of Science.
 Atti della Reale Accademia delle Scienze di Torino.
 British Association for the Advancement of Science, Reports.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 International Catalogue of Scientific Literature.
 *Kansas University, Science Bulletin.
 Nature.
 *New York State Museum Bulletin.
 Philosophical Magazine.

Philosophical Transactions of the Royal Society of London.
 Proceedings of the American Philosophical Society.
 Proceedings of the National Academy of Sciences.
 Royal Society of London Proceedings series A and B.
 Science.
 Scientific American.
 Scientific Monthly.
 *U. S. National Museum, Publications.
 *University of Missouri Studies, Science Series.

Science, Biology.

American Anthropological Association, Memoirs.
 American Anthropologist.
 American Journal of Anatomy.

American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.

* Presented by the Publishers.

† Suspended publication.

‡ In Christian Association Library.

Archiv für die gesamte Physiologie.
 Archiv für Entwicklungsmechanik der
 Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia physiologica.
 Biologisches Centralblatt.
 Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Endocrinology.
 Eugenics Laboratory Memoirs.
 Genetics.
 *Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.
 Journal of General Physiology.
 Journal of Genetics.
 Journal of Morphology.
 Journal of Physiology.

Journal of the Royal Microscopical
 Society.
 *Midland Naturalist.
 Physiological Abstracts.
 Quarterly Journal of Microscopical
 Science.
 Stazione Zoologica di Napoli, Publica-
 zioni.
 *U. S. Public Health Service, Publications.
 *University of California Publications,
 Physiology.
 *University of California Publications,
 Zoology.
 *University of Pennsylvania, Contribu-
 tions from the Zoological Laboratories.
 *University of Toronto Studies, Biological
 Series.
 *University of Toronto Studies, Physio-
 logical Series.
 *Wilson Bulletin.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.
 *Illinois Geological Survey Bulletin.
 Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.
 Mineralogische und petrographische Mit-
 theilungen.

National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie
 und Paläontologie.
 Pan-American Geologist.
 Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological
 Society.
 Revue de Geologie.
 *U. S. Monthly Weather Review.
 *University of Toronto Studies, Geological
 Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie.
 Annales de Physique.
 Annales scientifiques de l'Ecole Normale
 Supérieure.
 Annali di Matematica.
 Annals of Mathematics.
 Astrophysical Journal.
 Berichte der deutschen chemischen Gesell-
 schaft.
 Bibliotheca Mathematica.
 Bolletino di Bibliografia e Storia delle
 Scienze Matematiche.
 Bulletin de la Société Chimique de France.
 Bulletin de la Société Mathématique.

Bulletin des Sciences mathématiques.
 Bulletin of the American Mathematical
 Society.
 Cambridge Tracts in Mathematics.
 Chemisches Zentralblatt.
 Giornale di Matematiche.
 Helvetica Chimica Acta.
 Jahrbuch der Chemie.
 Jahrbuch über die Fortschritte der
 Mathematik.
 Jahresbericht der deutschen Mathematiker
 Vereinigung.
 Journal de Chimie physique.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte
 Mathematik.
 Journal für praktische Chemie.

Journal of the American Chemical Society.
 Journal of the London Chemical Society.
 Journal of Physical Chemistry.
 Kolloidzeitschrift.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.
 Proceedings of the London Mathematical Society.

Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico di Palermo.
 Science Abstracts.
 Transactions of the American Mathematical Society.
 *U. S. Bureau of Standards Bulletin.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 275,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to five-thirty P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 215,000 volumes. Private subscription, \$6.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 85,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 550,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the College.

The *Free Library of Philadelphia*, which contains over 600,000 volumes and 370,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 70,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 150,000 bound volumes, and 250,000 pamphlets, is for reference only. The collection of manuscripts is one of the best in the country, comprising 7,000 volumes. Every courtesy is extended to members of the college.

EXAMINATION FOR MATRICULATION

The examination for matriculation must be taken by every one who wishes to study in the undergraduate department of Bryn Mawr College as a candidate for a degree or as a special student following selected courses.*†

Examination for Matriculation.

The examination for matriculation may be taken also as a

* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examination of the college will be accepted, subject to certain conditions. For details see pages 177-178.

† When there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for, two exceptions may, in special circumstances, be made to the above rule, and two classes of students may be admitted to the college without passing the examination for matriculation:

(a) Students who present a certificate of honourable dismissal from an approved college. (See fifth paragraph of this note.)

(b) Women over twenty-five years of age who can furnish satisfactory proof that they have at some time studied the subjects required for admission to Bryn Mawr College may be admitted as "Hearers."

In the admission of students, however, preference will in all cases be given to candidates who have taken the regular examination for matriculation.

Students who have attended other colleges or universities must present a certificate of honourable dismissal, together with an official statement that they have studied in regular college classes for one college year exclusive of the summer vacation and have received the grade of passed on examinations covering at least one year of academic work in one of the regular college courses leading to the bachelor's degree of liberal arts, and are in good standing in said college, and able to take their degree there in due course. In addition to this year of college work such students must present credits fully equivalent to the Bryn Mawr College examination for matriculation. Students desiring to be credited with courses taken at other colleges must offer these courses for examination at Bryn Mawr College.

Students who have failed to satisfy the requirements at other colleges, who have outstanding conditions, or have otherwise failed to meet prescribed college standards of academic work or conduct, or who have been put on probation, suspended, or excluded will under no circumstances be admitted to Bryn Mawr College. Such students will not be permitted to cancel their college work elsewhere, take the Bryn Mawr College examination for matriculation, and enter Bryn Mawr as freshmen.

Candidates who wish to be admitted to Bryn Mawr College on presentation of a certificate of honourable dismissal from a college or university the graduates of which are eligible for membership in the American Association of University Women are not required to pass the Bryn Mawr College examination for matriculation, provided they can present the required number of entrance credits. Students presenting certificates of honourable dismissal from all other colleges and universities must take the regular examination for matriculation given by Bryn Mawr College. Such students are not permitted to take the examination for matriculation without informing the Secretary and Registrar of the College, in advance, at the time that they file their application to be examined, that they have studied at another college. Unless this rule is observed they will not receive a matriculation certificate.

test of proficiency in elementary studies by candidates who have no intention of entering the college.

A certificate of examination will be given to everyone who is successful in passing the examination.

*Certifi-
cates of
Examina-
tion.*

Certificates of examination stating that candidates have passed the examination for matriculation and are qualified for admission to Bryn Mawr College will be issued to those candidates only who have been examined in *all* of the subjects required for matriculation and have shown by their examination that *all* of the subjects required for matriculation have been studied for a reasonable length of time. These subjects are counted as equivalent to twenty points. No certificate will be given unless the candidate has received the grade of "passed" in at least fifteen of the required twenty points.*† Certificates of examination may be presented at any time for admission to the college. There is no time limit.

*Certifi-
cates of
Admis-
sion.*

Candidates holding certificates of examination who wish to study in Bryn Mawr College must make definite application for admission as a student to the Secretary and Registrar of the College. Such candidates, if approved by the Committee on Entrance Examinations, will receive from the Secretary and Registrar formal admission certificates.‡

In the admission of students preference will be given to candidates of the highest promise, due regard being paid to

* Certificates of examination must contain a complete record of the marks received in all of the twenty points. Candidates who have cancelled any division of the examination for matriculation must be examined again in all of the points of the cancelled division. Neglect to comply with this rule will prevent candidates from receiving certificates of examination.

† Certificates of examination will not be issued to candidates who have failed completely in any one of the twenty points offered for the final matriculation certificate when such failure is of a character to indicate that the subject has been presented as a mere form, unless they can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

‡ Students who have been admitted to the college will be permitted to choose rooms in the halls of residence in order of application for rooms and are urged to make such application as early as possible. Application for rooms may be made at any time. It is not necessary to wait until the examination for matriculation has been taken.

Application for rooms will not entitle students studying at other colleges, or having entered other colleges after applying for rooms at Bryn Mawr College, to an early choice of rooms. Such students will be admitted to the college only when there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for. Under no circumstances will students be admitted to Bryn Mawr College who have not made good at other colleges. (See footnote, page 169, seventh paragraph.)

examination grades, including the number of points passed, and also to evidence as to character, health, and general ability.

Candidates may offer the examinations for matriculation in three divisions,* one to be taken at the end of each of the last three years of preparation for college, thus allowing an interval of two years or two years and a summer vacation between the first and last divisions of the examination. The examinations for matriculation may, if preferred, be offered in two divisions, which may not be separated by more than one calendar year and a summer vacation, or they may be offered, in exceptional circumstances, in one division only.†

*Divisions
of
Examina-
tion for
Matricu-
lation.*

A certificate of examination will be issued to those who have been examined in all twenty points and who have passed a total of fifteen points or more, whether offered in one, two or three divisions.

Conditions incurred in the First or Second Division of examinations may be passed off only together with a subsequent division until the certificate of examination has been obtained; after the certificate is obtained conditions may be passed off in any matriculation examination period.

There is no restriction as to the subjects or the number of points that may be credited in any division of examinations, nor as to the number of times an entire division may be repeated. It is, however, undesirable for candidates to take examinations for which they are not well prepared; failure is discouraging and the Committee on Entrance Examinations in selecting candidates for admission to the college is unfavorably influenced by failures.

The examination is held at Bryn Mawr College in the spring, autumn, and winter of every year and is also held in the spring of every year in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond, St. Louis, and London (England) and may be held by the college at other places in

*Time and
Place of
Examina-
tion for
Matricu-
lation.*

* Attention is called to the fact that the terms "First", "Second" and "Third Division" have been substituted for the terms "Preliminary", "First" and "Second Division".

† Attention is called to the following important rule:—

In and after 1923 no candidate will be admitted to the college in October who has not successfully taken her final division in or before the preceding spring; the only exception made being in the case of a candidate who offers all twenty points for the first time in the autumn, whose application for admission in October will be considered.

the spring but not in the autumn or winter. A fee of ten dollars for the whole or any part of the examination must be paid by each candidate taking the examination at any of these regular examination centres.

The examination for matriculation may be held in the spring at yet other places by special request for the benefit of certain schools or groups of candidates who are willing to meet the whole expense of the conduct of the examination by the College. The fee per candidate at such centres may be more but will not be less than ten dollars for the whole or any part of such examination.*

The complete time schedule of the matriculation examination is printed on pages 230-234.

*Applica-
tion to take
Examina-
tion for
Matricu-
lation.*

Application to take either the whole or any part of the examination for matriculation must be made in advance to the Secretary and Registrar of Bryn Mawr College.

Candidates who intend to take the spring examination at Bryn Mawr College are required to make application for this examination to the Secretary and Registrar on or before May 15th on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of ten dollars. Candidates who apply for examination after May 15th will be charged an additional fee of ten dollars, or twenty dollars in all.

* In recent years examinations have been held by request at the following places: Alabama: Gadsden; California: Bonita, Los Angeles, Piedmont, Redlands, Ross, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Hartford, Simsbury, Washington, Waterbury; Delaware: Wilmington; Georgia: Athens; Illinois: Springfield; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Council Bluffs, Davenport, Dubuque, Keokuk; Kansas: Kansas City; Kentucky: Louisville; Louisiana: Shreveport; Maine: Portland; Maryland: Catonsville, Cumberland; Massachusetts: Fall River, Lowell; Michigan: Bay City, Detroit, Grand Rapids, Houghton, Marquette; Minnesota: Faribault, Minneapolis; Missouri: Hannibal, Kansas City; Montana: Helena; Nebraska: Omaha; New Jersey: Lakewood, Plainfield, Princeton, Trenton; New York: Albany, Auburn, Clinton, Cooperstown, Garden City, Glens Falls, Lake George, New Rochelle, Rochester, Rye, Saratoga Springs, Schenectady, Tarrytown; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Altoona, Bellefonte, Bradford, Easton, Greensburg, Harrisburg, Hazelton, Johnstown, Lancaster, Oxford, Scranton, Wilkes-Barre, York; Rhode Island: Providence; South Carolina: Charleston; South Dakota: Yankton; Tennessee: Memphis, Nashville; Texas: Dallas, Galveston, Houston; Utah: Salt Lake City; Vermont: Burlington; Virginia: Charlottesville, Middleburg; Washington: Seattle; West Virginia: Wheeling; Wisconsin: Fond du Lac, Milwaukee; District of Columbia: Washington; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus; Turkey: Constantinople; China: Peking.

Candidates who intend to take the Bryn Mawr College examination for matriculation elsewhere than at Bryn Mawr are required to make application for this examination to the Secretary and Registrar of the College on or before April 15th and to follow the same procedure as in the case of candidates taking the spring examination at Bryn Mawr.*†

Candidates who intend to take the examination for matriculation at Bryn Mawr in the autumn or winter are required to make application for this examination to the Secretary and Registrar on or before September 15th, or January 1st, respectively, on a prescribed form obtained in advance from the office of the Secretary and Registrar and to send with their application a fee of ten dollars. Candidates who apply for examination after September 15th and January 1st, respectively, will be charged an additional fee of ten dollars, or twenty dollars in all.

Four competitive matriculation scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final matriculation certificates in the spring matriculation examinations of Bryn Mawr College. One scholarship is awarded in each of the following districts: (a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where the Bryn Mawr College examination for matriculation is held. These scholarships, which are to be held for one year only, are awarded in each of the above-named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible

*Matriculation
Scholarships.*

* When the examination for matriculation is specially conducted by the College at the request of schools or groups of candidates the charge per candidate taking the examination may be more than ten dollars but in no case will it be less. See page 172.

† For regulations governing those candidates who substitute for the Bryn Mawr College Examination for Matriculation the examinations held by the College Entrance Board, see pages 177-178.

for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required. The candidate in each district whose grades are next highest to the winner of the scholarship for that district will receive Honourable Mention.

Examination for Advanced Standing.

Examinations for Advanced Standing.

Candidates who wish to enter the college with advanced standing may offer the following subjects in addition to the twenty points required for the Certificate of Examination: the Minor Course in Latin, Section A and Section B, counting as three and two hours throughout one year;* matriculation Greek, French or German (provided this was not taken in the examination for matriculation), counting as five hours

* The minor course in Latin may be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, Selected Letters, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Terence, *Phormio*, *Adelphoe* and *Andria* or by special request registered three months before the examination, Livy, *Book xxi*, and Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i, 25, 27, 33, 36; ii, 5; iii, 6, 15, 20; iv, 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Saeculare*: *Satires* i, 1, 5, 6, 9; ii, 6; *Epistles* i, 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

throughout one year; Trigonometry,* counting as two hours throughout one semester; Solid Geometry,* counting as two hours throughout one semester. All of these subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work.

Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

Removal of Conditions.

Candidates holding certificates of examination may remove conditions at any time before entering the college by passing the corresponding examinations in any of the regular periods at which the examination for matriculation is given. The usual fee of five dollars must be paid for each condition examination. Candidates are advised whenever it is at all possible to remove their conditions before entering the college, as the penalties imposed on freshmen for failing to pass off matriculation conditions are serious, and the time that must be spent in the necessary reviewing interferes materially with their college work.†

*Examination
to remove
Con-
ditions.*

Students with matriculation conditions in Greek, Latin, English, French, German, Mathematics, or Physics are not permitted to attend college courses in these subjects until the conditions have been passed off. As these courses run throughout the year conditioned students are prevented from taking them in their freshman year. Conditions in history or in any science, except physics, do not exclude students from college classes in history or science.

* For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 178.

† Students must pass off all matriculation conditions within the first semester after entering the college under penalty of exclusion from full college work during the second semester. Students who have not passed off all their matriculation conditions at the end of the second semester after entering the college will be required to withdraw from the college for one year (an exception being made in the case of students conditioned in one point only, such students being permitted to take an examination in this point in the following September, the penalty for failure to pass being in this case also withdrawal from the college for one year).

Examination for Matriculation.

*Tabular Statement.**Tabular
Statement
of
Subjects
Required
in
Examina-
tion for
Matricu-
lation.*

I. Required of all candidates.

<i>Subjects.</i>	<i>Points.</i>
Algebra*.....	2
Plane Geometry*.....	2
Latin Grammar and Prose Composition.....	1
Latin Prose Authors.....	2
Latin Poets.....	1
English Literature.....	2
English Composition.....	2
Ancient History.....	1
Physics.....	2

II. One of these three languages required of all candidates.

<i>Subjects.</i>	
Greek Grammar and Prose Composition.....	1
Greek Prose Authors.....	1
Greek Poets.....	1
French Grammar and Composition.....	1
French Translation.....	2
German Grammar and Composition.....	1
German Translation.....	2
One of these three languages... 3	

III. One of the following two groups of two points required of all candidates.

GROUP ONE.

<i>Subjects.</i>	
English History or American History.....	1
Science, (Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany).....	1
or	
2	

GROUP TWO.†

<i>Subjects.</i>	GROUP TWO.†
Greek Grammar and Composition and Translation... 2	} One of these languages.... 2 — 20
French Grammar and Composition and Translation.. 2	
Italian Grammar and Composition and Translation.. 2	
Spanish Grammar and Composition and Translation.. 2	
German Grammar and Composition and Translation.. 2	

* If Algebra and Geometry are offered in a First Division two years before entrance to college, the candidate must undertake to offer Solid Geometry or Trigonometry before entrance, and at least one of the four papers Algebra, Plane Geometry, Solid Geometry and Trigonometry must be offered by the candidate in the Second or Third Division of the examination.

† Candidates offering Group Two must not select for examination a language which they have offered, or intend to offer, for the three-point examination in language required of all candidates. Candidates who select Group Two and offer for examination the two-point option in Greek, French, Italian, Spanish, or German must pass a supplementary examination after entering the college, provided they wish to enter the minor course in the language selected. All the minor courses in language are based on the amount of preparation required for a three-point matriculation examination, except Latin and English, which assume preparation equivalent to at least four points.

For the two-point language examinations, see pages 182-183.

Examination of the College Entrance Examination Board.

The Examinations of the College Entrance Examination Board which are designated below as equivalent to the matriculation examinations of the college will be accepted for admission to the college, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

Candidates taking the College Entrance Examination Board's examinations will not be considered in the awarding of the four Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination.

TABLE OF EXAMINATIONS OF THE COLLEGE ENTRANCE EXAMINATION BOARD EQUIVALENT TO THE BRYN MAWR COLLEGE EXAMINATION FOR MATRICULATION.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
<i>Subjects.</i>		<i>Subjects.</i>	<i>Points.</i>
Mathematics: Algebra, A.....	=	Algebra.....	2
Mathematics: C.....	=	Plane Geometry.....	2
Latin: 1 and 6, taken together.....	=	Latin Grammar and Prose Composition	1
Latin: P.....	=	Latin Prose Authors.....	2
Latin: Q.....	=	Latin Poetry.....	1
English: 1.....	=	English Composition.....	2
English: 2.....	=	English Literature.....	2
History: A.....	=	Ancient History.....	1
History: D.....	=	English History.....	1
History: E.....	=	American History.....	1
Greek: F.....	=	Greek Grammar and Composition....	1
Greek: G.....	=	Greek Prose Authors.....	1
Greek: CH.....	=	Greek Poetry.....	1
Greek: Cp. 3.....	=	Greek Grammar and Composition, Prose Authors and Poets.....	3
Greek: F and G or F and CH or G and CH taken together.....	=	Greek two-point option.....	2
French: Cp. 2.....	=	French two-point option.....	2
French: Cp. 3.....	=	French Grammar and Translation Old Requirements.....	3
French: Cp. 4.....	=	French Grammar and Composition and Translation New Requirements	3
German: Cp. 2.....	=	German two-point option.....	2
German: Cp. 3.....	=	German Grammar and Translation Old Requirements.....	3
German: Cp. 4.....	=	German Grammar and Composition and Translation New Requirements	3
Spanish: Cp. 2.....	=	Spanish two-point option.....	2
No Equivalent.....	=	Italian two-point option.....	2

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.— <i>Continued.</i>		BRYN MAWR COLLEGE EXAMINATION. — <i>Continued.</i>	
<i>Subjects.</i>		<i>Subjects.</i>	<i>Points.</i>
Physics.....	=	Physics.....	2
Chemistry.....	=	Chemistry.....	1
Botany.....	=	Botany.....	1
Geography.....	=	Physical Geography.....	1
Biology.....	=	Physiology and Hygiene.....	1

Examinations for Advanced Standing.

Mathematics: D.....	=	Solid Geometry.
Mathematics: E.....	=	Trigonometry.
No Equivalent.....	=	Minor Latin.

*Definition and Description of Subjects of Examination
for Matriculation.**Mathematics* **I. Mathematics.**—Algebra. (Counting as two points.) Plane Geometry. (Counting as two points.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Theory of Indices, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text-books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations: C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham), Young and Jackson's *Elementary Algebra*, Hall and Knight's *Algebra*; Phillips and Fisher's *Elements of Geometry* (abridged edition), Wentworth's *Geometry*.

Latin. **II. Latin.**—Grammar and Composition. (Counting as one point.) Translation at sight of simple passages in Latin prose. (Counting as two points.) Translation at sight of simple passages of Latin poetry. (Counting as one point.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Galic War and Civil War*), Nepos (*Lives*), Cicero (*Orations, Letters, and De senectute*), Sallust (*Catiline and Jugurtha*), Vergil (*Æneid, Bucolics, and Georgics*), and Ovid (*Metamorphoses, Fasti, and Tristia*). The amount to be read should not be less than that contained in Cæsar, *Galic War, I–IV*, Cicero, *Manilian Law, Archias*, and four *Orations against Catiline*, and Vergil, *Æneid, I–VI*. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

English. **III. English Literature.** (Counting as two points.) English Composition. (Counting as two points.)

The English examination is in two parts:* Part I, Literature; Part II,

* Though, strictly speaking, either part of the examination may be taken two years before the candidate is planning to enter the college, teachers are advised not to encourage candidates to attempt either English Literature or English Composition without adequate preparation.

Composition. As a basis for the examination a list of books is prescribed chosen from the list agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States. From the Bryn Mawr list such a selection should be made as will give the candidate a fair idea of the progress of English literature from the time of Shakespeare to the Nineteenth Century. An intelligent reading, not a detailed knowledge of these books is expected, though it is hoped that the candidate will commit to memory some of the best passages of prose and poetry. For the better understanding of her reading she should be familiar with the important events in the lives of the authors that she studies and with the general character of the periods to which they belong. In Part I of the examination passages outside the prescribed reading will also be given to test the candidate's ability to read intelligently, and the definition of words and the explanation of well-known references and allusions will be asked for.

The candidate's ability to write English will be judged by the form and quality of her work in both parts of the examination and, in particular, by a composition of 350 words which will constitute Part II of the examination. In this composition the candidate will be asked to develop a theme through several paragraphs to its conclusion. Of three or four subjects assigned for the choice of the candidate, one will be on the reading prescribed for the examination and two or three will relate to matters of general knowledge or personal experience.

No separate paper on Grammar and Punctuation is set, but the candidate's knowledge of these subjects will be judged by her practice. Ability to punctuate her own sentences correctly is expected, and a knowledge of grammar and good usage—for example, of the different kinds of sentences and the relation of clauses within the sentence, of the sequence of tenses, and of the use of auxiliaries, prepositions, conjunctions and verbs.

In grammar and rhetoric no text-books are prescribed, but the following will suggest the preparation required: Boynton, *Principles of Composition* (Ginn and Co.); Robins and Perkins, *Introduction to the Study of Rhetoric* (Macmillan); Gardiner, Kittredge, and Arnold, *Manual of Composition and Rhetoric* (Ginn and Co.).

The Department of English will be glad to consider comments and suggestions from the schools relative to the examination. Such communications should be sent to the Secretary and Registrar of the College.

Reading. The English examination will be based on the following books chosen from the list of books prepared by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States.

A. All selections in this group are to be read, due regard being paid to the alternatives offered among Shakespeare's plays. Shakespeare: 3 plays—1 comedy, 1 tragedy, and 1 history—are to be chosen from the following list. *A Midsummer Night's Dream, The Merchant of Venice, As You Like It: Julius Cæsar, Macbeth: Richard II, Henry V, Richard III.* Addison and Steele, *The Sir Roger de Coverley Papers*: Burke, *Speech on Conciliation with America: The Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats and Shelley; Coleridge, *The Ancient Mariner*.

B. Two selections are to be made from each of the following four groups: 1. *A Collection of English and Scottish Ballads*, as, for example, some *Robin Hood* ballads, *The Battle of Otterburn*, *King Estmere*, *Young Beichan*, *Bewick and Grahame*, *Sir Patrick Spens*, and a selection from later ballads; Milton, *L'Allegro*, *Il Penseroso*, and either *Lycidas* or *Comus*; *The Golden Treasury* (first series), Books II and III; Pope, *The Rape of the Lock*; Macaulay, *Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Iruy*.

2. Scott, *The Lady of the Lake* or *Marmion*; Byron, *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*; Browning, *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Lost Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "*De Gustibus*," *Instans Tyrannus*; Tennyson, *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*: Arnold, *Sohrab and Rustum* and *The Forsaken Merman*.

3. Lamb, *Essays of Elia* (about 200 pages); Macaulay, *Life of Johnson* or *Essay on Milton*; Ruskin, *Sesame and Lilies*; Stevenson, *An Inland Voyage* or *Travels with a Donkey*; Huxley, *Autobiography* and *Selections from Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*.

4. Bunyan, *Pilgrim's Progress*, Part I; Swift, *Gulliver's Travels* (*Lilliput* and *Brobdingnag*); Defoe, *Robinson Crusoe*; Scott's *Novels*, any one; Jane Austen's *Novels*, any one; Dickens's *Novels*, any one; Thackeray's *Novels*, any one; George Eliot's *Novels*, any one; Stevenson, *Treasure Island*, *Kidnapped*, *Master of Ballantrae*; Hawthorne, *House of the Seven Gables*.

History.

IV. History.—The outlines of Ancient History. (Counting as one point.)

In Ancient History the period covered will extend from the rise of Egypt and Babylonia to the coronation of Charlemagne in 800 A. D. Most attention will be given to the history of Greece and Rome, less to the history of the oriental empires and to the time following the Germanic invasions. Knowledge of the geographical setting of events will be tested by questions referring to an outline map furnished in the examination. It will be assumed that more instruction has been given in narrative than in constitutional history. Questions will be asked about the social life of the ancient world as well as about the general development of its thought and art. Standard texts, such as Breasted's *Ancient Times*, Westermann's *Story of the Ancient Nations*, Goodspeed-Ferguson's *History of the Ancient World*, Webster's *Ancient History*, Botsford's *History of the Ancient World*, and West's *Ancient History* (revised) should serve as a suitable basis for instruction. Supplementary reading on selected topics and the writing of papers relating to this reading are desirable exercises. Teachers will find useful such interpretations as Zimmern's *Greek Commonwealth*, Ferguson's *Greek Imperialism*, Dickinson's *Greek View of Life*, Fowler's *Social Life at Rome in the Age of Cicero*, Frank's *Roman Imperialism*, and Dill's *Roman Society from Nero to Marcus Aurelius*.

Second History.—The outlines of the History of England; or the outlines of the History of the United States. (Counting as one point, and optional substitute with the Second Science for Two-Point language examination.

Cheyney's *A Short History of England*, and *Readings in English History*, Larson's *Short History of England*, and McLaughlin's *History of the American Nation*, Adams and Trent's *History of the United States*, or Muzzey's *History of the United States*, indicate the preparation required in the History of England and the United States.

Science.

V. Physics.—For candidates offering the matriculation examination (New Requirements) Physics counts as two points, and for those offering the matriculation examination (Old Requirements) a different examination paper is set and the subject counts as one point.

Physics should be studied in one or both of the last two years of preparation for college, the equivalent of at least one year being devoted to the subject with five periods weekly of at least forty minutes each for reci-

tations and demonstrations. Two additional periods of laboratory work should be required and regarded as part of the outside preparation. A brief statement of the laboratory work of each candidate should be prepared by the teacher or tutor and submitted at the time of the examination. It should include an estimate of the quality as well as of the amount of work done by the candidate. A specimen examination paper, to be obtained from the Secretary and Registrar of the College, may be taken as fairly typical of the papers that will be set.

The New Requirements examination is planned to be a test of the student's understanding of fundamental principles as presented in any modern elementary text-book of Physics. A minute knowledge of the subject will not be demanded and all the topics usually treated in an elementary book need not be studied with equal thoroughness. For example, levers should be studied carefully but their classification need not be memorized; some knowledge of the Daniell cell should be obtained but details of other cells may be omitted; detailed descriptions of engines, dynamos, and motors should be used only as illustrating principles; alternating currents may be studied only in a general way. Further, in order that there may be sufficient time to be used in studying other parts of the subject, the examination will not for the present include questions on Sound.

A knowledge of decimals and of elementary algebra will be assumed in the examination. Nevertheless, in assigning problems teachers are advised to keep in mind that the object of such work is to illustrate principles rather than to give practice in calculation.

No particular text-books are prescribed, but among books that may be used are Millikan and Gale's *A First Course in Physics and Laboratory Manual*, Black and Davis's *Practical Physics*, N. Henry Black's *A Laboratory Manual in Physics*. For supplementary reading *Physics of the Household*, by C. J. Lynde, will be found helpful.

Second Science.—The elements of one of the following sciences:—Physiology and Hygiene, or Chemistry, or Physical Geography, or Botany. (Counting as one point, and optional substitute with the Second History for Two-Point language examination.)

Stiles's *Human Physiology and Nutritional Physiology* or Hough and Sedgwick's *Human Mechanism* supplemented by demonstration and laboratory work; Alexander Smith's *Text-book of Elementary Chemistry*, Newell's *Descriptive Chemistry*, W. A. Noyes's *College Chemistry*, Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*, Atkinson's *High School Botany* or Bergen and Caldwell's *Practical Botany* and Coulter's *Plant Life and Plant Uses* will serve to indicate the preparation required.

VI. One of the following languages:

Greek.—Grammar and Composition. Very simple prose composition with words and construction taken from Xenophon's *Anabasis*, with questions to test the knowledge of regular forms and the rules of elementary syntax. (Counting as one point.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*, with questions on the parts of verbs and syntax involved. (Counting as one point.) Translation at sight of passages of average difficulty from Homer. (Counting as one point.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

Greek.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

French.

French.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French. There will be a passage of English to be translated into French accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This examination is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned. The passages for translation given in the New Plan Examinations are somewhat more difficult than those given under the old requirements. They are accompanied by questions in grammar and syntax based on the text.

Teachers preparing students who wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

German.

German.—Grammar and Composition. (Counting as one point.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German. There will be a passage of English to be translated into German accompanied by questions on grammatical forms and constructions. Prose and Verse Translation, (Counting as two points.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned. The passages for translation given in the New Plan Examinations are somewhat more difficult than those given under the old requirements. They are accompanied by questions in grammar and syntax based on the text.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

TWO-POINT OPTION IN LANGUAGE

*Two-Point
Option in
Language.*

For the examinations in the Second History and the Second Science, counting one point each, candidates may substitute an examination counting two points in a fourth language (in addition to Latin and English and the third language required of all candidates) and may choose for this examination any one of the five languages, Greek, French, Italian, Spanish, or German which has not been offered, or will not be offered, for the third examination in Language.*

*Two-Point
Greek.*

Greek.—Candidates may offer two of the three points, Grammar and Composition, one point, Prose Authors, one point, and Poets, one point. The two examinations must be taken in the same examination period.

The examination will test the knowledge of Greek that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in Greek in the examination for matriculation will not be permitted to enter the minor course in Greek given in the college without passing a supplementary examination.

* Only Greek or French or German may be offered for the three-point language examination. Italian or Spanish may not be offered.

French.—Grammar and Composition and Prose and Verse Translation. (Counting as two points.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French, and also the candidate's power to read at sight simple French prose and verse.

*Two-Point
French.*

The examination will test the knowledge of French that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in French in the examination for matriculation will not be permitted to enter the minor course in French given in the college without passing a supplementary examination.

Italian.—Grammar and Composition and Translation at sight of simple passages in Italian prose and verse. (Counting as two points.)

*Two-Point
Italian.*

The examination will test the knowledge of Italian that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in Italian in the examination for matriculation will not be admitted to the minor course in Italian given in the college without passing a supplementary examination.

Grandgent's *Italian Grammar* (Heath and Co.); Phelps's *Italian Grammar* (Ginn and Co.); Ernest H. Wilkins's *First Italian Book*, University of Chicago Press; *L'Italia*, by Wilkins and Altrocchi, University of Chicago Press; Wilkins and Altrocchi, *Italian Short Stories* (Heath and Co.), are recommended as text-books.

Spanish.—Grammar and Composition and Translation at sight of simple passages in Spanish prose and verse. (Counting as two points.)

*Two-Point
Spanish.*

The examination will test the knowledge of Spanish that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered the two-point option in Spanish in the examination for matriculation will not be permitted to enter the minor course in Spanish given in the college without passing a supplementary examination.

Olmsted's *First Course in Spanish* (Henry Holt and Co.); Hills and Ford's *First Spanish Course* (D. C. Heath and Co.); Schewill's *A First Reader in Spanish* (Ginn and Company); De Haan and Morrison's *Cuentos Modernos* (D. C. Heath and Co.); Marcial Dorado's Reader, *Espana Pintoresco* (Ginn and Co.), Alarcón's *El niño de la bola* (American Book Company); *Tres comedias Modernas* (Henry Holt and Co.) recommended as text-books.

German.—Grammar and Composition and Prose and Verse Translation. (Counting as two points.) This examination is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German, and also the candidate's power to read at sight simple German prose and verse.

*Two-Point
German.*

The examination will test the knowledge of German that can be acquired by a good pupil in four or five periods a week during two school years.

Attention is called to the fact that students who have offered a two-point option in German in the examination for matriculation will not be permitted to enter the minor course in German given in the college without passing a supplementary examination.

REQUIREMENTS FOR DEGREES.

*Studies
Leading
to the
Degree of
Bachelor
of Arts*

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of two of the five languages, Greek, French, Italian, Spanish or German.‡ She must have attended college classes in Bryn Mawr College for a period of four years;§ she must have fulfilled the requirements of the department of Physical Training. For students entering in 1923 and thereafter a reading knowledge of French and German will be required and the option of Greek, Italian or Spanish is withdrawn.

If, at the end of her junior year, or in February of her senior year, a student has received a grade *below* merit in as many as one-half the one hundred and twenty hours* required for her degree that she has offered for examination, she will be required to withdraw from the college; and students who have not obtained merit in as many as one-half of the hours offered for examination, or have been conditioned in five or more hours, are liable to be asked to withdraw at the end of any semester and are to be regarded as on probation.

No student who has received a grade below merit in as many as one-half of the hours that she has taken of the 120 hours required for her degree will be permitted to hold office in any of the organizations of the college, or of the student body, to take part in any entertainment requiring preparation, to undertake any paid work or to compete for, or hold any college scholarship.

*Required
Studies.*

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination (including Minor Latin and Matriculation Greek when taken in the examination for matriculation and advanced standing examinations in foreign languages) and also trigonometry, and solid geometry when offered for advanced standing must be counted. *A grade once received may not be cancelled.*

† Since this merit law went into effect in 1907 no student who has not fulfilled the requirements as above stated has received a degree.

‡ If Greek is the language offered for entrance French or German must be offered for examination at the beginning of the junior year.

§ By permission of the Curriculum Committee of the Faculty, obtained in advance, work done at some other college of high standing may in special cases be substituted for one of the four years of required attendance at classes.

Elementary Greek or Minor Latin, five hours a week for one year. Those students, however, who offered Greek in the examination for matriculation may substitute for the elementary course in Greek the minor course in Greek or the minor course in Latin.* These courses may not be taken later than the junior year.

English, five hours a week for two years.

Philosophy and Psychology, five hours a week for one year.

Science, five hours a week for one year.

Post-major courses in one or both group subjects, five hours a week for one year; or *Any other subject*, five hours a week for one year.

Two Major Courses, of five hours a week for two years each, constituting one of the following groups: any Language with any Language;† History with Economics and Politics, or with French, or Italian, or Spanish, or German, or History of Art; Economics and Politics with Philosophy, or with Psychology, or with Geology; Philosophy or Psychology, or Philosophy and Psychology‡ with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology or Geology; Psychology with Biology; Classical Archæology with Greek or Latin; History of Art with English, or French, or Italian, or Spanish, or German or Philosophy; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

*Major
Courses.*

Free Elective Courses, amounting to five hours a week for two years (20 semester hours in all), to be chosen by the student. It should be noted that any minor course may be taken as a free elective without electing the group that includes it, and any courses open as free electives may be chosen without taking the remainder of the minor course of which they may form a part.

*Free Elective
Courses.*

A Course in Hygiene of one hour a week in the second semester of one year to be taken in addition to the regular fifteen hours a week of college courses but not counting in the required one hundred and twenty hours must be attended by all candidates for the degree of Bachelor of Arts.

*Course in
Hygiene.*

Reading Knowledge of Two Languages. At the beginning of the sophomore, junior and senior years every undergraduate student is required to

*Reading
Knowledge
of two
Languages.*

* A student choosing Greek as one of the subjects of her group, and not wishing to study Latin, may substitute for the year of Greek five hours a week for one year of post-major Greek, or a year of French, or Italian, or Spanish, or German.

A student choosing Latin as one of the subjects of her group and not wishing to study Greek may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or a year of French, or Italian, or Spanish, or German.

† For the purpose of forming a group with another language, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

‡ For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.

take a written examination of one hour in length in the language, Greek,* or French, or German, that she has offered for matriculation. If she fails to pass this examination she is required to attend, and pay for, special classes in the language one or two hours a week throughout the year in question. If she fails to pass this examination at the beginning of her senior year she must take another examination on the Saturday preceding the final examinations of the year in question. Failure to pass will defer her degree until the following year.

At the beginning of the junior year every member of the junior class is required to take a written examination of one hour in length in one of the languages Greek, or French, or Italian, or Spanish, or German, but the language selected may not be the one offered for matriculation, and students who have offered Greek for matriculation must offer for their junior examination either French or German. If the student fails to pass this examination she is required to attend during her junior year the elementary course in the language in which she has failed, unless she has already taken this course. In this case she must attend a special class in the language two hours a week throughout the year and must pass an examination in it at the beginning of her senior year. The examination must be passed before the degree is conferred.

A Reading Knowledge of French and German will be required from all students entering in 1923 and thereafter, who will be examined under the following regulations: Students entering in 1920, 1921, and 1922 may choose to graduate under these regulations, or under the preceding regulations.

All students entering in 1923 and thereafter will be required to take examinations in French and German at the end of the junior year. Students failing to pass one or both of these examinations must present themselves for re-examination on the first or second Saturday of their senior year. Failure to pass at this time will automatically prevent the student from receiving her degree at the end of her senior year. She will not be allowed to present herself for a third examination before the autumn of the following year, but may present herself for any subsequent examination.

Extra-curriculum courses of three hours a week in French and in German, conducted by regular members of the respective departments, without required examination and without extra payment, will be offered for students in their junior year who may take these courses in either French or German, provided the language in question has not been taken in the matriculation examination. The elementary courses of five hours a week in French and German are not open to such students but may be taken only by students who intend to elect major work in these subjects.

* Students who have taken any two or three hour course in Greek throughout the year except the major or elective course in Greek literature, and passed the examinations at the end of each semester are exempt from the examination in Greek at the beginning of the following year.

The studies required for a degree may for convenience be tabulated as follows:

Tabular Statement.

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.†
English. [Two Courses.]	Philosophy and Psychology.	Science: Physics, or Chemistry, or Geology, or Biology.	Post-major courses in one or both group subjects or Five hours a week for one year in any other subject.	Elementary Greek, or Minor Latin (or Minor Greek).

Two Major Courses (Five hours a week for Two Years Each, or twenty semester hours in each subject). Constituting any one of the following seventy-one groups listed here in the order in which the subjects appear in the Calendar.

GREEK with any language.	ITALIAN with any language.
GREEK with Philosophy.	ITALIAN with History.
GREEK with Philosophy and Psychology.	ITALIAN with History of Art.
GREEK with Psychology.	SPANISH with any language.
GREEK with Classical Archæology.	SPANISH with History.
GREEK with Mathematics.	SPANISH with History of Art.
LATIN with any language.	ITALIAN and SPANISH with any language.
LATIN with Philosophy.	GERMAN with any language.
LATIN with Classical Archæology.	GERMAN with Modern History.
LATIN with Mathematics.	GERMAN with History of Art.
ENGLISH with any language.	HISTORY with French, with Italian, with Spanish, with German.
ENGLISH with Philosophy.	HISTORY with Economics and Politics.
ENGLISH with Philosophy and Psychology.	HISTORY with History of Art.
ENGLISH with Psychology.	
ENGLISH with History of Art.	
FRENCH with any language.	ECONOMICS AND POLITICS with History.
FRENCH with History.	
FRENCH with History of Art.	

† Attendance on these classes is not obligatory before the beginning of the junior year the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year. Students selecting Greek or Latin as one of their group subjects are referred to the footnote, page 185.

ECONOMICS AND POLITICS with Philosophy.	CLASSICAL ARCHEOLOGY with Greek.
ECONOMICS AND POLITICS with Philosophy and Psychology.	CLASSICAL ARCHEOLOGY with Latin.
ECONOMICS AND POLITICS with Psychology.	HISTORY OF ART with English, with French, with Italian, with Spanish, with German, with History.
ECONOMICS AND POLITICS with Geology.	HISTORY OF ART with Philosophy.
PHILOSOPHY with Greek, with Latin, with English, with Economics and Politics.	MATHEMATICS with Greek, with Latin, with Philosophy, with Philosophy and Psychology, with Psychology.
PHILOSOPHY with Psychology.	MATHEMATICS with Physics.
PHILOSOPHY with History of Art.	MATHEMATICS with Chemistry.
PHILOSOPHY with Mathematics.	MATHEMATICS with Geology.
PHILOSOPHY with Physics.	MATHEMATICS with Biology.
PHILOSOPHY with Geology.	PHYSICS with Philosophy, with Philosophy and Psychology, with Psychology.
PHILOSOPHY AND PSYCHOLOGY with Greek, with English.	PHYSICS with Mathematics.
PHILOSOPHY AND PSYCHOLOGY with Economics and Politics.	PHYSICS with any Science.
PHILOSOPHY AND PSYCHOLOGY with Mathematics.	CHEMISTRY with Mathematics.
PHILOSOPHY AND PSYCHOLOGY with Physics.	CHEMISTRY with any Science.
PSYCHOLOGY with Economics and Politics, with Philosophy, with Greek, with English.	GEOLOGY with Economics and Politics.
PSYCHOLOGY with Mathematics.	GEOLOGY with Philosophy.
PSYCHOLOGY with Physics.	GEOLOGY with Mathematics.
PSYCHOLOGY with Biology.	GEOLOGY with any Science.
	BIOLOGY with Psychology.
	BIOLOGY with Mathematics.
	BIOLOGY with any Science.

Free Elective Courses.

Ten hours a week for one year (20 semester hours) in any subject, or subjects, the student may elect.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Elementary Greek and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Elementary Greek or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Modern, or Ancient History, or Post-major Greek or Latin, or Minor Philosophy, or Minor Mathematics. *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archaeology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies* [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Modern, or Ancient History, or Minor English or Minor Philosophy. *As a Group*, French and Italian, or French and Spanish, or French and Italian and Spanish, or Italian and Spanish, or French and German. *As Free Electives*, Italian and Spanish, or French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and French, or English and Italian and Spanish, or English and Spanish, or English and German, or English and Philosophy. *As Free Electives*, Latin or Greek or History or Philosophy, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Elementary Greek], English, Philosophy, Physics, Post-major Mathematics or Modern or Ancient History, or Minor Latin. *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, any Science, any Language, or Post-major History, or Economics and Politics or Minor Philosophy, or Mathematics. *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Elementary Greek], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), Minor Latin, or Post-major Greek, or Modern, or Ancient History, or Minor Mathematics. *As a Group*, Greek and Philosophy. *As Free Electives*, Minor English and Minor Psychology, ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), any Language, or Modern, or Ancient History, or Minor Economics and Politics. *As a Group*, English and Philosophy. *As Free Electives*, Psychology and English, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), Minor Spanish or Italian, or Minor Economics and Politics, or Minor Philosophy, or Elective Education. *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Post-major Modern History.

PHILOSOPHY or PSYCHOLOGY (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science (or Modern, or Ancient History). *As a Group*, Philosophy or Psychology with Economics and Politics, or with Mathematics, or with Physics. *As Free Electives*, Post-major Economics and Politics, or Mathematics, or Physics, ten hours a week for one year.

CLASSICAL ARCHEOLOGY (with Greek). *As Required Studies*, [Elementary Greek], English, Philosophy, Science (Physics, or Chemistry, or Biology, or Geology), any Modern Language or Ancient History, or Minor Philosophy, or Mathematics. *As a Group*, Greek and Classical Archaeology. *As Free Electives*, Elective or Post-major Greek, or Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Minor Philosophy, or Minor Mathematics. *As a Group*, Physics and Chemistry, or Physics and Geology, or Physics and Biology, or Chemistry and Geology, or Chemistry and Biology, or Geology and Biology. *As Free Electives*, Mathematics and Physics, or Chemistry, or Geology, or Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Chemistry, and Post-major Biology or Minor Latin (if not taken as a required study), ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group*, Economics and Politics and Philosophy, or Psychology. *As Free Electives*, Elective Social Economy, or Education, or Philosophy, or Psychology.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, or economic, or a scientific or language group.

I. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any language with any language, or Chemistry and Biology. *As Free Electives*, Major History, five hours a week for one year, and Post-major History, or Oriental History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Major History, Major Economics and Politics, and for Oriental History, Post-major Economics and Politics, or Elective Social Economy.

III. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Physics and Chemistry, or Geology, or Biology. *As a Group*, any language with any language. *As Free Electives*, Major and Post-major Physics, or Chemistry, or Geology, or Biology, five hours a week for two years.

IV. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science (or Modern, or Oriental History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work. Regular attendance at classes is required.

The studies leading to the degree of Bachelor of Arts may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, should take the general English literature lectures and composition in their first and second years in the college because they are required to complete this work before entering the major course in English.

Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students who know what subjects they wish to specialize in may enter at once on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives, inasmuch as the required studies, by accustoming her to the methods of laboratory work and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and Elementary Greek, French, or German, or Minor Latin may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of French, Italian, or Spanish, or German by attendance on advanced school or college classes, or by residence abroad, or by

study under instructors or governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Master of Arts or for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for these degrees.

*Studies
Leading
to a
Second
Degree.*

The Degree of Master of Arts.

The degree of Master of Arts may be conferred upon graduates of Bryn Mawr College and upon graduates of other colleges who shall have satisfied the Graduate Committee that their course of study has been equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

*The Degree
of
Master of
Arts.*

REGULATIONS.

Course of Study.—Each candidate must attend at Bryn Mawr College three seminaries, or two seminaries and one post-major (third or fourth year undergraduate) course. A seminary requires one-third of the student's time for one year; hence to fulfil this requirement the student must devote her entire time for one year to graduate study. Unless, therefore, she has completed all the other requirements before beginning the work for the M.A. degree she will not be able to complete the work in one year.

Admission to Seminaries.—Preliminary training equivalent to the Bryn Mawr College undergraduate major course* in the subject of the seminary,

* See page 53. This amounts to 20 semester hours, but in English to 40 semester hours, of undergraduate college training. Compare, however, paragraph (b) below for the equivalents for the first 20 hours of English.

or in related subjects of equal value in preparation is required for admission to a seminary (or undergraduate course equivalent to a seminary) to be counted for the M.A. degree.

Examinations.—The candidate is required to pass satisfactorily examinations on the seminaries or courses offered, such examinations being held in the first week of the May examination period.

PRELIMINARY REQUIREMENTS.

(a) *Reading Knowledge of French and German.*

All candidates must prove their ability to use these languages in graduate seminaries by passing a written examination in these languages. The only exception is that a graduate of Bryn Mawr College who becomes a candidate for the M.A. degree within two years after graduation and has taken the yearly examination in French or German is excused from examination in this language.

Dates of Examination in French and German.—Examinations will be held each year on or about October 15th and again before Thanksgiving. Both examinations must in general be passed before Thanksgiving of the year in which the candidate takes her degree, but the Graduate Committee may, at its discretion, decide to give a candidate who fails at Thanksgiving in either language another trial at some time during the first semester.

If the candidate devotes two years to work for the degree she may take one or both examinations in the first year.*

(b) *Knowledge of English.*

1. *Ability to Write Correct English.*—The candidate must satisfy the Department of English Composition that she is able to write correct English, and in case of failure to do so will be requested by the Graduate Committee to make up deficiencies in this respect by entering a graduate course in English composition. She must also be able to give a report or carry on discussion in satisfactory English.

2. *English Literature, or Literature of Other Languages.*—A candidate is required to present credits in her undergraduate college course for ten semester hours in literature, at least five of which must be English Literature, and in case of failure to do so will be requested by the Graduate Committee to make up deficiencies.

(c) *Knowledge of Latin.*

All candidates are required to have a knowledge of Latin prose of the standard of Cæsar and Cicero. Candidates who have no credit for Latin on entrance to college are required to pass an examination in Latin Prose Authors of the standard of Cæsar and Cicero, and some questions on

* Since the student's entire time should be given to the work of her seminaries, candidates are advised, whenever possible, to prepare for these language examinations before entering the College and to pass them off in the October examination.

grammar may be included. Candidates who have certificates covering part of this ground will be examined on the part in which they are deficient.

Time of this examination: End of first semester. The Graduate Committee may at its discretion grant a second examination early in the second semester to a student who has failed.

(d) *Knowledge of Philosophy, Psychology, Laboratory Sciences, or Mathematics.*

A candidate is required to present credits obtained in her undergraduate college course for twenty semester hours of work in two or more of the subjects, Philosophy, Psychology, Laboratory Science (*i. e.*, Physics, Chemistry, Geology or Biology) or Mathematics, not more than ten of these semester hours to be in any one of these subjects and the twenty hours may not be entirely in Philosophy and Psychology. If, however, the candidate has no entrance credit in a Science which has included laboratory work she will be requested by the Graduate Committee to make up her deficiency by taking in Bryn Mawr College at least six semester hours of Science accompanied by laboratory work which may be counted in the above twenty hours.

Graduate students who desire to become candidates for the M.A. degree are advised to provide themselves with their complete academic record, including their entrance credits, and to make application for the degree as soon as possible after entering the College, in order that the Graduate Committee may estimate their work and advise them how to make up deficiencies.

In case of a student coming from a college or university outside of the United States when it is impossible to work out exact equivalents in subjects, the Graduate Committee will judge each case on its merits.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

*The Degree
of
Doctor of
Philosophy
and
Master of
Arts.*

REQUIREMENTS.

1. *Time*.—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence*.—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;* in the independent minor she shall take for one year two† seminars, or graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before

* The Graduate Committee may count as the equivalent of a seminary an amount of work that requires about fourteen hours per week of the student's time.

† If the major is taken in Science one seminary may be omitted in the independent minor under certain conditions.

the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation*.—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations*.—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee, in writing, an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Fees for Residence and Tuition.

For undergraduate students and hearers the charge for tuition is three hundred dollars a year, payable in advance.† The average cost of teaching each undergraduate student in 1921–22 is estimated at \$726.87. The tuition fee has been fixed at three hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the College and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional four hundred and twenty-six dollars will be credited as a gift towards scholarships for students unable to meet even the three hundred dollars tuition fee. No reduction of the charge of three hundred dollars can be made on account of absence, illness, dis-

*Tuition
for
Under-
graduate
Students.*

* Using the application blank issued by the Graduate Committee.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one-half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

missal during the currency of a semester, term, or year, or for any other reason whatever, and no refunding will be made on account of any of the said causes in case of a payment in advance.

Every student who enters the college must register immediately at the comptroller's office, and must register her courses in the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students taking one laboratory course of four or more hours a week there is an additional charge of fifteen dollars a semester for materials and apparatus; for students taking two laboratory courses of four or more hours a week a charge of twenty-five dollars a semester; and for students taking three laboratory courses of four or more hours a week a charge of thirty dollars a semester. A charge of seven dollars and fifty cents a semester is made for students taking a laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

In the course in History and Appreciation of Music a charge of \$1.25 a semester is made for the purchase of necessary books and material.

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighbourhood. The expense of board and residence in the college halls for undergraduate students is four hundred and fifty dollars a year and upwards, according to the room or rooms occupied by the student; in about one-sixth of the college rooms the expense of board and residence is four hundred and fifty, and in about one-sixth five hundred and seventy-five dollars. Of this charge four hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Physical Training, and the Physicians of the College. See pages 153 to 156.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully

* Students are expected to provide their own rugs, curtains and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

vaccinated not more than two years previously. A fee of five dollars will be charged.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary and Registrar of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. Every application must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. If there is any doubt about the date of entry it is suggested that application for two consecutive years may be made by deposit of a double fee, thus ensuring a better choice of rooms in the second year, if entrance in the year first planned proves impossible. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded only in the following cases. In all other cases the deposit will be forfeited to the College. Cheques should be made payable to Bryn Mawr College.

a. If an applicant who is a student of the college gives formal notice to the Secretary and Registrar of the College before the first of May preceding the academic year for which the application is made that she wishes to withdraw her application.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary and Registrar of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary and Registrar of the College before the first of December preceding the semester for which the application is made that she wishes to withdraw her application.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room for the second semester will be responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary and Registrar before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal after September first of any given year for any cause whatsoever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

In case of prolonged illness and absence from the college extending over six weeks or withdrawal from the college for a period of six weeks or more, there will be a special proportionate reduction in the charge for board, provided that written notice be given to the Dean of the College and to the Comptroller at the time of withdrawal, or, in case the student is ill at home, as soon as possible after her illness is known. Verbal notice to wardens or instructors is not sufficient to secure the above allowance.

* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

Rooms are assigned to members of the entering class who have already received their Certificate of Examination and their Certificate of Admission to the College during the summer preceding the academic year for which application is made. Candidates who do not complete their examinations until the autumn and are admitted to the college will be assigned rooms then if any rooms are vacant. No particular room or set of rooms may be applied for. Candidates who are admitted are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam: the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The student's personal washing may be done by any laundry recommended by the college for one dollar a dozen, or about \$16 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

Students who wish to remain at the college during the Christmas and Easter vacations should apply to the Secretary and Registrar for information in regard to rooms and rates. During the Christmas vacation the halls of residence are closed but accommodation is provided on or near the college campus. During the Easter vacation the halls of residence are in general kept open and undergraduate and graduate students may occupy their own rooms at a fixed rate.

Students remaining during any part of the Christmas or Easter vacations in Bryn Mawr, or in the immediate neighbourhood, not in their own homes, are required to take advantage of the arrangements made by the college and will be charged for the period of the vacation. Students not going to their own homes are required to inform the Secretary and Registrar in advance of their intention to spend the vacation elsewhere and to register their addresses in the college office.

For undergraduate students the fees for the year 1922-23 are as follows:

*Summary
of
Expenses
for
Under-
graduate
Students.*

Tuition for the academic year, payable October 1st.....	\$300.00
Room-rent for the academic year, payable October 1st.....	50.00*
or \$175, \$250, \$275, \$300, \$370, \$420, \$450, \$500, \$550, depending on the room or rooms occupied.	
Infirmary fee for the academic year, payable October 1st.....	20.00
Board for the academic year, payable in equal instalments, October 1st and February 1st.....	400.00
<hr/>	
Total for tuition, residence, and infirmary fee for the academic year with minimum room-rent.....	\$770.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year.....	15.00
For laboratory course of four or more hours a week for the academic year.....	30.00
Graduation fee.....	20.00

* In about one-sixth of the college rooms the rent is \$50.00, making the cost of board, residence, and tuition for undergraduate students \$750, but students desiring to apply for rooms at \$50.00 must file a statement at the office of the Secretary and Registrar that they are unable to afford rooms at a higher price.

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

Loan Fund.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Professor Eunice Morgan Schenck, Bryn Mawr College; Miss Anne Hampton Todd, 2175 Spruce Street, Philadelphia; Miss Doris Earle, Chestnut Hill, Philadelphia; Miss Emma Thompson, 506 South 48th Street, Philadelphia; Miss Katharine Leonard Howell, 3307 Hamilton Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to Professor Schenck, the chairman of the Scholarships and Loan Fund Committee of the Alumnae Association, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

SCHOLARSHIPS AWARDED AT ENTRANCE TO BE HELD BY FRESHMEN.

Scholarships.

Four competitive entrance scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:— (a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first or second division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

One scholarship entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School

Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

The Pittsburgh Bryn Mawr Club founded in 1917 a competitive entrance scholarship of the value of \$200 increased to \$500 in 1922. In and after 1922 applicants who have received their preparation in western Pennsylvania will be eligible for the scholarship. Application for this scholarship must be addressed to the Bryn Mawr Club of Pittsburgh and to the Secretary and Registrar of Bryn Mawr College before May 1st of the year in which the applicant desires to enter the college.

The New England Alumnae of Bryn Mawr College offer annually in and after 1922 an entrance scholarship of the value of \$500 to an applicant who has received her preparation in a New England School and is unable to meet the full expenses of residence and tuition at Bryn Mawr College. The scholarship will be given to the applicant judged to be of the highest promise and will be awarded by the Faculty in consultation with the New England Scholarship Committee after the June examination period.*

Alumnae Association Regional Scholarships of the value of \$500 to be awarded to the most promising candidate from each of the districts of the Alumnae Association have been approved by the Alumnae Association of Bryn Mawr College and will be awarded as soon as the necessary amounts can be raised. Information in regard to these scholarships may be obtained from the Secretary and Registrar of the College.

SCHOLARSHIPS AWARDED AT ENTRANCE RENEWABLE FOR FOUR YEARS.

Eight scholarships, two awarded each year, for non-resident students prepared in the Philadelphia Girls' High School, entitling the holder to free tuition, renewable for four consecutive years, were founded by the Trustees of Bryn Mawr College in 1893 and are given on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

Eight scholarships, two available each year, of the value of \$100 for students prepared in the Philadelphia Girls' High School are given by the Board of Public Education of the City of Philadelphia. The scholarships are renewable for four consecutive years and are awarded on the same basis as the Trustees' Philadelphia Girls' High School Scholarships.

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is desired.

One competitive entrance scholarship* entitling the holder to free tuition, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

Four Frances Marion Simpson Scholarships,* entitling the holder to free tuition, were founded in 1912 by Justice Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship to be awarded in each October, to a candidate who receives her final certificate in the preceding spring matriculation examination. Competition for these scholarships is open in the first place to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania, so long as she shall be conducting the same; or in default thereof to residents of other counties in Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition or if living at a distance, the fees for tuition and board, in Bryn Mawr College are entitled to compete. In special cases the scholarship may be awarded to a candidate from some other locality, in which case the restriction to preparation in public schools may also be relaxed, or it may be awarded to some one who can pay part of the charge for her tuition, or for her tuition and board, but not the whole thereof.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College. These scholarships are renewable for four consecutive years.

SCHOLARSHIPS AVAILABLE FOR MEMBERS OF THE SOPHOMORE CLASS IN NEED OF FINANCIAL AID.

The James E. Rhoads Memorial Sophomore Scholarship* of the value of \$250 for one year, was founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The scholarship is open to those students only who have completed college work amounting to not less than twenty and not more than forty-five hours (three semesters' work) for a semester, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. To be eligible for this scholarship a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case the scholarship is awarded to a non-resident student,

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is desired.

its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, the Dean of the College, the Secretary and Registrar of the College, and four members of the Faculty of the College, appointed annually by the President, the President of the Alumnae Association of Bryn Mawr College and the members of the Scholarships and Loan Fund Committee of the Alumnae Association.

Two Maria Hopper Scholarships* of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester.

SCHOLARSHIPS AVAILABLE FOR MEMBERS OF THE JUNIOR CLASS IN NEED OF
FINANCIAL AID.

The James E. Rhoads Memorial Junior Scholarship,* of the value of \$250 for one year was founded in 1897 by the Alumnae Association of Bryn Mawr College in memory of the first president of the College, Dr. James E. Rhoads. The scholarship is open to those students only who have completed college work amounting to not less than forty and not more than seventy-five hours (five semesters' work) for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for this scholarship a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case the scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee is the same as for the James E. Rhoads Memorial Sophomore Scholarship.

The Mary E. Stevens Scholarship* of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have completed college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters.

The Anna Hallowell Memorial Scholarship* of the value of \$100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be awarded by the Faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

SCHOLARSHIP AVAILABLE FOR MEMBERS OF THE SENIOR CLASS IN NEED OF
FINANCIAL AID.

The Anna M. Powers Memorial Scholarship* of the value of \$200 was founded in 1902 by the late Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year.

SCHOLARSHIPS AVAILABLE FOR STUDENTS IN ANY CLASS IN NEED OF FINANCIAL AID.

A Thomas H. Powers Memorial Scholarship* of the value of \$200 was given in 1910 by the late Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers.

The Mary Anna Longstreth Memorial Scholarship* of the value of \$300 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae,

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is desired.

and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a student who needs financial aid to begin or continue her college course.

The Chicago Bryn Mawr Club has presented annually since 1914 the sum of \$100 to be used as a scholarship for a student in financial need, the sum being increased in 1921 to \$200.* This scholarship will probably become an Alumnae Regional Scholarship in 1922.

The Anna Powers Memorial Scholarship consisting of the income of a gift of \$1000 was founded in 1919 by Mrs. Charles Merrill Hough in memory of her sister Anna Powers, a member of the Class of 1890. The award of the scholarship is to be made by the Faculty of Bryn Mawr College.*

The Constance Lewis Memorial Scholarship, of the value of \$100 annually, was founded in 1919 by the Class of 1904 in memory of their classmate Constance Lewis. The award of the scholarship is to be made by the Faculty of Bryn Mawr College.*

SCHOLARSHIPS AWARDED FOR DISTINCTION IN ACADEMIC WORK.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Charles S. Hinchman Memorial Scholarship of the value of \$500 was founded in 1917 in memory of the late Charles S. Hinchman of Philadelphia by his family. The holder will be nominated to the Faculty by the Undergraduate Scholarships Committee of the Faculty which will be guided in its selection by (1) the student's record in her group subjects, (2) written recommendations from the instructors in these subjects, (3) evidence of the student's ability as shown by written work in her group subject together with a written estimate of the same by the instructor most directly concerned, such work to be submitted not later than March 15th of the year preceding the one in which the scholarship is to be awarded.

The Elizabeth S. Shippen Scholarships were founded in 1917 by the bequest of the late Elizabeth S. Shippen of Philadelphia. Three scholarships are awarded each year, one to a member of the senior class and two to members of the junior class, as follows:

The Shippen Foreign Scholarship of the value of \$200 is awarded each year to the member of the senior class who is elected to the Bryn Mawr European Fellowship.

The Shippen Scholarship in Science of the value of \$100 is awarded annually to a member of the junior class, one or both of whose major subjects lie in the Scientific Departments, viz., Physics, Chemistry, Geology, Biology, for excellence of work in one of these departments.

The Shippen Scholarship in Foreign Languages of the value of \$100 is awarded annually to a member of the junior class, one or both of whose major subjects lie in the Departments of Foreign Languages, viz., Greek, Latin, German, French, Italian, Spanish, for excellence of work in one of these departments.

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is granted.

No student shall be considered eligible for the Science or Foreign Language Scholarship who has not completed at least fifteen hours of work in the subject on which the computation is based. The winner of the Charles S. Hinchman Memorial Scholarship will not be eligible for the Shippen Scholarship in Science or in Foreign Languages.

The Sheelah Kilroy Memorial Scholarships in English of the value of \$125 each were founded in 1919 by Dr. and Mrs. Philip Kilroy in memory of their daughter Sheelah. These scholarships are awarded annually on the recommendation of the Department of English, one to the student who does the best work in the required English courses, and one to the student who does the best work in the advanced English courses.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

PRIZES AWARDED FOR DISTINCTION IN ACADEMIC WORK.

The George W. Childs Essay Prize, a gold watch, given since 1892 first by Mr. George W. Childs and after his death by his widow, is awarded each year on the nomination of the English Department to the best English essayist in the graduating class.

The Horace White Prize in Greek Literature, a prize of \$50 founded by Miss Amelia Elizabeth White in 1919 is awarded to the best student in the Major class in Greek Literature, the nomination to be made by the Professor conducting the class.

PRIZES FOR GENERAL INFORMATION.—Three Presidents' Prizes of the value of \$75, \$50 and \$25 are awarded to the three students who stand highest in an examination on general information set by a committee of the Faculty.

PRIZES FOR KNOWLEDGE OF GREAT POETS AND PROSE WRITERS.—Three Presidents' Prizes of the value of \$75, \$50 and \$25 are awarded to the three students who stand highest in an examination on general literature set by a committee of the Faculty.

FORM OF BEQUEST.

I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

Dated

FOUNDATION OF SCHOLARSHIPS.

The sum of seven thousand five hundred dollars given or left by will to the Trustees of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

FEES OF GRADUATE STUDENTS.

*Tuition
for
Graduate
Students.*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is two hundred dollars a year, payable half-yearly in advance. For other graduate students* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, eighteen dollars a semester; for two hours a week of lectures, thirty-six dollars a semester; for three hours a week of lectures, forty-eight dollars a semester; and for four or five hours a week of lectures sixty-five dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. No student may, however, live in the Halls of Residence who does not register for a course or research work amounting to at least a two-hour lecture or seminary course. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the controller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion

* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one-hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one-hour lecture course. The laboratory fees as stated below are charged in addition to the charge for tuition.

from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of twenty-one dollars and fifty cents a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to fifteen dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to seven dollars and a half a semester.

*Laboratory
Fees.*

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of fifteen dollars a semester for every laboratory course of four or more hours a week, and of seven dollars and fifty cents a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work counts as one hour of laboratory work.

Graduate students in the department of Social Economy and Social Research who take courses involving field work or laboratory work in statistics are charged a fee of ten dollars a semester to help to meet the departmental expenses of telephone and clerical services, laboratory equipment and supplies. Students are expected to meet their own travelling and incidental expenses while working in the field. A 50-trip ticket between Bryn Mawr and Philadelphia costs \$9.18 and usually not more than one is required each semester in a course involving field work.

The fee for laboratory courses in Applied Psychology and Educational Psychology is \$6 a semester.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is five hundred dollars. Of this amount four hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance.* Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.†

*Residence
for
Graduate
Students.*

Each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence is required to sign a room contract and to return it with a deposit of fifteen dollars to the

* For a statement of the conditions under which the fee for board may be reduced in case of prolonged illness and absence from the college, see page 200.

† Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

Secretary and Registrar of the College. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary and Registrar of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College.

Students making application for a room for the second semester forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room for the second semester is responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary and Registrar before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$15.50 a week. At Christmas the college halls are closed, but accommodation is provided on or near the college campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighbourhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Secretary and Registrar of the College in advance of their intention to spend the vacation elsewhere, and register their addresses in the college office.

***Summary
of
Expenses
for
Graduate
Students.***

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:	
For one hour* a week of lectures.....	\$18.00
For two hours a week of lectures.....	36.00
For three hours a week of lectures.....	48.00
For four or five hours a week of lectures.....	65.00

* See footnote, page 208.

For six or more hours a week of lectures.....	100.00
Room-rent for the academic year, payable on registration.....	100.00
Board for the semester payable on registration.....	200.00
Total expenses for the academic year:	
Tuition fee, for six or more hours a week of lectures.....	200.00
Room-rent.....	100.00
Board.....	400.00
Infirmary fee.....	10.00
<hr/>	
Total for tuition, residence, and infirmary care for the academic year....	\$710.00
Laboratory fees for the academic year.....	\$12.00 to \$43.00

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

***European
Travelling
Fellow-
ships.***

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary Elizabeth Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

These fellowships are awarded to assist candidates for the Doctor's degree at Bryn Mawr College to complete their preparation. It is therefore understood that holders of the President M. Carey Thomas and Mary Elizabeth Garrett Fellowships will not present themselves as candidates for the degree of Doctor of Philosophy elsewhere than at Bryn Mawr College.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philosophy of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who shows such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

The Helene and Cecil Rubel Foundation Fellowship of the value of \$1,500 was founded in 1920 by Miss Helen Rubel, of New York City, to be awarded in each year by the Faculty of Bryn Mawr College with the approval of the donor. The fellowship may be awarded to any woman who has at any time studied in the graduate school of Bryn Mawr College long enough to have shown her ability irrespective of whether her work was planned to lead to a degree or not. The fellowship may be held at any centre of education that may be selected by the student and approved by the Faculty as best suited to her individual needs, or may, in special cases, be used as a travelling fellowship to give opportunity for the study of conditions in which the student may be interested in different parts of the world. The fellowship shall not necessarily be offered as an aid to study for a higher degree, but may be used by the holder, with the approval of the faculty, in whatever way may best advance the purpose she has in mind. The fellowship shall

be awarded to the best student but if she can afford to carry out her plans with her own income she shall return the amount of the fellowship to the College to be used by another student in the same year.

The Helen Schaeffer Huff Memorial Research Fellowship founded in 1913, is awarded annually to a student desiring to carry on research in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College. The value of the Fellowship in 1922-23 will be twelve hundred dollars.

*Resident
Fellow-
ships.*

Applicants for this fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities and have shown capacity for research. The award of the fellowship will depend primarily upon the record of the applicant as a research student. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student studying at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of investigation.

Twenty resident fellowships, of the value of \$810 each, are awarded annually in Greek, Latin, English, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Education, Archaeology, History of Art, Mathematics, Physics, Chemistry, Geology and Biology, in Economics and Politics named the Justus C. Strawbridge Fellowship; two in Social Economy and Social Research named the Carola Woerishoffer Memorial Fellowships, and one Grace H. Dodge Memorial Fellowship in Social Economy in preparation for Industrial Relations and Personnel Administration. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as

an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

*Duties of
Resident
Fellows.*

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of seven hundred and ten dollars for tuition, board, room-rent, and infirmary fee.

The holder of a fellowship is expected to devote at least one-half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

***Resident
Graduate
Scholar-
ships.***

Twenty Graduate Scholarships, of the value of three hundred and fifty dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars may undertake, while holding a scholarship, only a very limited amount of teaching or other paid work approved in advance by the President's office.

The Susan B. Anthony Memorial Research Scholarship in Social Economy and Social Research or in Politics, of the value of five hundred and fifty dollars, was founded in 1910 by the Executors of the late Susan B. Anthony, the late Dr.

Anna Howard Shaw and Miss Lucy E. Anthony, in memory of Susan B. Anthony's work for women's college education. It is awarded to the candidate wishing to devote herself to studies dealing with the position of women in industry and politics whose work shows most promise of future success. The holder is required to complete for publication a study in one or the other of these subjects, and one-half the amount of the scholarship, two hundred and seventy-five dollars, will be retained by the College until the above study, approved by the Department and in complete form for publication, is filed in the President's office.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of three hundred dollars is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Seven Grace H. Dodge Memorial Scholarships in Social Economy in preparation for Industrial Relations and Personnel Management, on the Grace H. Dodge Foundation of the value of three hundred and fifty dollars each, are offered in the Carola Woerishoffer Department of Social Economy, open for competition to graduates of Bryn Mawr College or of any other college of good standing.

Two Scholarships in Community Organization, each of the value of three hundred and fifty dollars, are offered in the Department of Social Economy and Social Research. Holders of these scholarships are expected to carry on their field work in the Bryn Mawr Community Center.

Several Graduate Scholarships in Social Economy in preparation for Red Cross Service, of the value of five hundred dollars with loan privileges for an additional two hundred and fifty dollars, have been offered by the American Red Cross and are open for competition to graduates of Bryn Mawr College or of any other college of good standing. Holders of these scholarships are expected to accept a position under the American Red Cross for at least one year after the completion of training.

Scholarships for British, French, Italian, Spanish, Swiss, Scandinavian and Dutch Women.

Nine graduate scholarships for foreign women of the value of seven hundred and twenty dollars each are available for distribution to women students belonging to the following countries: Great Britain, France, Spain, Italy, Switzerland, Holland, Norway and Sweden. In general at least three will be awarded to British and three to French women and one or two to Spanish women. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. Renewal of these scholarships for a second year will not be granted except in very exceptional cases.

Holders of the scholarships are required to be in continuous residence at the college and to follow regular approved courses of study. The scholarships are of the value of \$720 and cover only the fees for board, residence, and tuition at Bryn Mawr College for one academic year. In addition those holders of scholarships who so desire will, if possible, be given an opportunity to teach or do some other kind of work in the College for not more than five hours a week and in special cases when tutoring can be arranged for five hours a week throughout the year the sum earned may amount to from \$100 to \$200. The scholars are not permitted to accept any paid position except as arranged by the College. Holders of the scholarships must meet their own travelling expenses. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

Duties of Resident Scholars.

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. They may undertake, while holding a scholarship only a very limited amount of teaching or other paid work, approved in advance by the President's office. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

* For the rates see page 210.

Application for resident fellowships or scholarships should be made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the first* of April preceding the academic year for which the fellowship or scholarship is desired. A definite answer will be given without two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

*Applications
for Resident
Fellowships
and
Scholarships.*

* Applications for the Scholarships open to British, French, Spanish, Italian, Swiss, Dutch, and Scandinavian women must be received by May the first, they should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed to the Recording Dean of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., or in the case of French scholars they may be addressed to M. Petit Dutailis, Office National des Ecoles et Universités Françaises, 96 Boulevard Raspail, Paris.

Hour	Course	Monday	Tuesday
9	ELEMENTARY	Greek (Kirk) German (—)	Greek (Kirk) German (—)
	GENERAL	Psychology (Leuba)	Psychology (Leuba)
	MINOR	Greek, Plato (Sanders) French Literature Div. A (Schenck) Div. B (Trotain)	Greek Homer (Wright) French Reading and Composition, Div. A (Schenck) Div. B (Trotain)
		Spanish (De Haan) Economics, Introduction to Economics, Div. B (Franklin) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (W. S. T. Smith)	Spanish (De Haan) Economics, Introduction to Economics, Div. B (Franklin) Mathematics, Trigonometry (Scott) Chemistry (Brunel) Geology (W. S. T. Smith)
	MAJOR	Italian (Bullock) German (—) Mediaeval Art (G. G. King)	Italian (Bullock) German (—) 17th Century Painting (Rowley)
	ELECTIVE	History of Religion (Meek) Europe since 1870 (Gray) Educational Psychology (Arlitt) Biology, Theoretical (Tennent)	History of the Old Testament (Meek) History of the U. S. from 1865 (W. R. Smith) Education (Castro) Advanced Harmony (Alwyne)
	GRADUATE	Industrial Supervision Field Work (—) 8-5 Social Economy Practicum, Divs. I, II (Deardorff, Addition) Alt. Weeks 9-5 Physics (Huff)	Seminary in Social and Industrial Research, Field Work (Kingsbury), 9-5 Mental Tests, Field Work (Rand), 9-5
10	GENERAL	English Literature, 2nd year (Hughes)	English Literature, 2nd year (Hughes)
	MINOR	English, 19th Century Critics (Chew) Anglo-Saxon (Brown) German Grammar (Prokosch) History of Europe, Div. A (David) Ancient Architecture (Carpenter)	English, 19th Century Critics (Chew) Anglo-Saxon (Brown) German Literature (Prokosch) History of Europe, Div. A (David) Hellenistic Towns (Carpenter)
	MAJOR	Biology (Yates)	Biology (Yates)
	MAJOR	Philosophy, Kant to Spencer (G. de Laguna)	Philosophy, Kant to Spencer (G. de Laguna)
	ELECTIVE	Elements of Law (Fenwick)	Modern French Literature (Schenck) Biblical Literature (Meek) Modern Geography (Bissell)
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
11	GRADUATE	Petrography (W. S. T. Smith)	
	GENERAL	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
	ELEMENTARY	French (H. D. Smith) Italian (Bullock)	French (H. D. Smith) Italian (Bullock)
	MINOR	Economics, Introduction to Economics, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Greek Sculpture (Carpenter)	Economics, Introduction to Economics, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Ancient Painting (Swindler)
	MAJOR	Latin, Tacitus (Wheeler) Spanish Reading (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Ballou) Spanish Literature (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics (Barnes) Chemistry (Crenshaw)
	ELECTIVE		Greek Religion and Myths (Wright) Applied Sociology (Kingsbury)
12	GRADUATE	Systematic Psychology (Ferree)	
	ELEMENTARY	Spanish (—)	Spanish (—)
	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Ballou) Div. C (Swindler) Italian (Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)	Latin, Horace, Div. A (Swindler) Div. B (Wheeler) Div. C (Ballou) Italian (Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Art of the Far East (Rowley) Physics (Huff)
	MAJOR	Greek Demosthenes (Sanders) English Drama (Chew) French Literature (Trotain) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader)	Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Gilli) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader)
	ELECTIVE	Advanced History of Music (Surette, Alwyne)	
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (—)	Greek (Kirk) German (—)	Greek (Kirk) German (—)
Psychology (Leuba)	Psychology (Leuba)	Psychology (Leuba)
Greek, Plato (Sanders) French Literature, Div. A (Schenck) Div. B (Trotain)	Greek, Homer (Wright) French Reading and Composition Div. A (Schenck) Div. B (Trotain)	Greek, Sophocles (Sanders) French Literature, Div. A (Schenck) Div. B (Trotain)
Spanish (De Haan) Economics, Introduction to Economics, Div. B (Franklin)	Spanish (De Haan) Economics, Introduction to Economics, Div. B (Franklin)	Spanish (De Haan) Economics, Introduction to Economics, Div. B (Franklin)
Mathematics, Conics (Scott) Chemistry (Brunel) Geology (W. S. T. Smith)	Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel) Geology, Demonstration (W. S. T. Smith)	Mathematics, Conics (Scott) Chemistry (Brunel) Geology (W. S. T. Smith)
Italian (Bullock) German (—) Medieval Art (G. G. King)	Italian (Bullock) German (—) 17th Century Painting (Rowley)	Italian (Bullock) German (—) Medieval Art (G. G. King)
History of Religion (Meek) Europe since 1870 (Gray) Educational Psychology (Arlitt)	History of Religion (Meek) History of the U. S. from 1865 (W. R. Smith) Education (Castro) Advanced Harmony (Alwyne)	History of Religion (Meek) Europe since 1870 (Gray) Educational Psychology (Arlitt) Physical Basis of Music (Huff)
Social Economy Practicum, Div. III (—) Alt. Weeks 9-11 Industrial Relations Observations (—), Alt. Weeks, 9-5 Physics (Huff)	Seminary in Applied Psychology (Rand) 9-11 Physics Journal Club (Huff and Barnes) Biology Journal Club (Yates, Schrader)	Physics (Huff)
English Literature, 2nd year (Hughes)	English Literature, 2nd year (Hughes)	English Literature, 2nd year (Hughes)
English, 19th Century Critics (Chew) Anglo-Saxon (Brown) German Reading (Prokosch) History of Europe, Div. A (David) Ancient Architecture (Carpenter)	English, 19th Century Critics (Chew) Anglo-Saxon (Brown) German Literature (Prokosch) History of Europe, Div. A (David) Hellenistic Towns (Carpenter)	English, 19th Century Critics (Chew) Anglo-Saxon (Brown) German Reading (Prokosch) History of Europe, Div. A (David) Ancient Architecture (Carpenter)
Biology (Yates)	Biology, Demonstration (Yates)	Biology (Yates)
Philosophy, Kant to Spencer (G. de Laguna)	Philosophy, Kant to Spencer (G. de Laguna)	Philosophy, Kant to Spencer (G. de Laguna)
Cosmogony (W. S. T. Smith)	Modern French Literature (Schenck) Biblical Literature (Meek) Modern Geography (Bissell)	
Physics (Barnes) Chemistry (Brunel) Seminary in Educational Research (Castro, Arlitt), 10-12	Physical Chemistry (Crenshaw) Applied Psychology (Rand), 10-12 Petrography (W. S. T. Smith)	Physics (Barnes) Chemistry (Brunel) Petrography (W. S. T. Smith)
English Composition, 1st year (Savage)	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
French (H. D. Smith) Italian (Bullock)	French (H. D. Smith) Italian (Bullock)	French (H. D. Smith) Italian (Bullock)
Economics, Introduction to Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Greek Sculpture (Carpenter)	Economics, Introduction to Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Ancient Painting (Swindler)	Economics, Introduction to Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Greek Sculpture (Carpenter)
Latin, Tacitus (Wheeler) Spanish Grammar (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Ballou) Spanish Literature (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)	Latin, Tacitus (Wheeler) Spanish Reading (De Haan) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)
Mathematics (Scott)	Greek Religion and Myths (Wright) Applied Sociology (Kingsbury)	
Systematic Psychology (Ferree)	Seminary in Industrial Supervision (—), 11-1	
Spanish (—)	Spanish (—)	Spanish (—)
Latin, Cicero, Div. A (Wheeler) Div. B (Ballou) Div. C (Swindler)	Latin, Horace, Div. A (Swindler) Div. B (Wheeler) Div. C (Ballou)	Latin, Cicero, Div. A (Wheeler) Div. B (Ballou) Div. C (Swindler)
Italian (Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)	Italian (Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Art of the Far East (Rowley) Physics, Demonstration (Huff)	Italian (Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)
Greek, Aristophanes (Sanders) English Drama (Chew) French Literature (Trotain) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader)	Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Gilli) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Schrader)	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Trotain) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Schrader)
Advanced History of Music (Surette, Alwyne)		Advanced History of Music (Surette, Alwyne)
	Chemistry Journal Club (Brunel and Crenshaw)	Social and Industrial Research Laboratory (Deardoff)

Hour	Courses	MONDAY	TUESDAY
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Yates)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Yates)
	ELECTIVE	Psychology of Childhood (Castro) Harmony (Alwyne) Elementary Homer (Kirk)	Psychology of Childhood (Castro)
	POST-MAJOR	Greek, Attic Orators (Sanders) French, Lyric Poetry (Trotain) Economics and Politics, American Economic Problems (M. P. Smith) Oriental Art (Rowley) Mathematics (Pell)	Greek, Attic Orators (Sanders) French, Lyric Poetry (Trotain) Economics and Politics, American Economic Problems (M. P. Smith) Oriental Art (Rowley) Mathematics (Pell)
	GRADUATE	Technical and Advanced Criticism (Savage) Beowulf (Brown), 2.30-4.30 Italian Seminary (Bullock), 2-4 Advanced History of Education (Arlitt) 2-4	Advanced Romance Philology (Gilli) Technical and Advanced Criticism (Savage) Seminary in Municipal Government (Franklin) Advanced Social Statistics (Boone) Seminary in Logic and Metaphysics (G. de Laguna) 2-4 Intelligence Tests (Arlitt), 2-4
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Yates)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Yates)
	ELECTIVE	Elocution, Reading of Prose (S. A. King) History and Appreciation of Music (Surette, Alwyne)	Elocution, Reading of Prose (S. A. King) Advanced Experimental Psychology (Ferree) Record Keeping (Kingsbury) History and Appreciation of Music (Surette, Alwyne)
	POST-MAJOR	Greek, Melic Poets (Wright) Latin, Vergil (Ballou) Advanced French Composition (Gilli) History, American Constitutional (W. R. Smith) Mathematics (Scott)	Latin, Vergil (Ballou) Advanced French Composition (Gilli) History, American Constitutional (W. R. Smith) Mathematics (Scott)
	GRADUATE	Germanic Seminary (Prokosch), 3-5 Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (G. G. King) 3-5	Greek Seminary, Greek Historians (Sanders) 3-4.30 Seminary in English Literature (Chew), 3-4.30 French Literature (Trotain), 3-4.30 Seminary in Research in Labour Problems (—)
4	GRADUATE	Latin Seminary, Cicero's Correspondence (Ballou), 4-6 Seminary in English Literature (Hughes) 4-6 Old French Philology (Gilli), 4.30-6 Elementary Semitic Languages (Meek) History Journal Club (Gray, W. R. Smith, David), 4-6. Alternate Weeks Economics Journal Club (M. P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Social Treatment (Additon), 4-6 Psychology Seminary (Leuba), 4-6 Seminary in Genetics (Schrader), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler, Ballou and Swindler), 4.30-6. Alternate Weeks Middle English Seminary (Brown), 4.30-6 Seminary in Mediaeval French Literature (Gilli), 4-6 Semitic Seminary (Meek) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Social Psychology (Leuba), 4-6 Seminary in Music (Surette, Alwyne), 4-6 Mathematical Journal Club (Scott and Pell). Alternate Weeks Seminary in Physiology (Yates), 4.30-6
5	GRADUATE	Introduction to Germanic Philology (Prokosch)	Hebrew Literature (Meek)

FIRST SEMESTER, 1922-23 (continued).

WEDNESDAY	THURSDAY	FRIDAY
	Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (W. S. T. Smith) Biology, Major (Schrader)	Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (W. S. T. Smith) Biology, Major (Schrader)
Psychology of Childhood (Castro) Harmony (Alwyne) Elementary Homer (Kirk)	Versification (Crandall) History of Education (Arlitt)	History of Education (Arlitt)
Greek, Sophocles (Sanders) Latin, Composition (Ballou) French, Masterpieces of French Literature (—)	French Modern Drama (Schenck)	French Modern Drama (Schenck)
Economics and Politics, American Economic Problems (M. P. Smith) Oriental Art (Rowley) Mathematics (Pell)	Economics and Politics, International Law (Fenwick) Spanish Painting (G. G. King)	Economics and Politics, International Law (Fenwick) Spanish Painting (G. G. King)
Advanced Old French Philology (Gilli) Archæology Seminary (Carpenter), 2-4 Family as a Social Institution (Deardorff), 2-4 Geology Journal Club (W. S. T. Smith and Bissell), 2.15-4.15. Alternate Weeks	Seminary in European History (Gray) Seminary in Ægean Archæology (Swindler), 2-4	Greek Seminary, Aristophanes (W. C. Wright), 2-4 Romance Philology (Gilli) Seminary in Labour Organization (—), 2-4
	Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (W. S. T. Smith) Biology, Major (Schrader)	Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (W. S. T. Smith) Biology, Major (Schrader)
Argumentation (Crandall) History and Appreciation of Music (Surette, Alwyne)	Short Story (Crandall) Elements of Statistics (—)	
Greek, Melic Poets (W. C. Wright) Latin, Vergil (Ballou) Historical French Grammar (Gilli) History of French Revolution (David) Biology, Physiology (Yates)	Roman Elegy (Wheeler) Spanish (De Haan) History of French Revolution (David)	Roman Elegy (Wheeler) Spanish (De Haan) History of French Revolution (David)
Seminary in Politics (Fenwick)	Municipal Government (Franklin) Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 French Literature (Trotain), 3-4.30 Anglo-Norman (Gilli) Philosophical Journal Club (T. de Laguna and G. de Laguna), 3-4.30 Seminary in Educational Psychology (Castro), 3-5	Municipal Government (Franklin) English Journal Club (Brown, Chew, Savage, Crandall and Hughes), 3-4.30. Alternate Weeks Romance Languages Journal Club (Schenck, Gilli, Trotain, Bullock, and De Haan), 3-4.30. Alternate Weeks Archæological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks
Seminary in History of Art (Rowley), 3-5 Seminary in Mathematics (Scott), 3.30-5.30	Mathematics Seminary (Pell), 3.30-5.30	
Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6	Middle English Seminary (Brown), 4.30-6 Seminary in German Literature (Prokosch), 4-6	Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Old French Philology (Gilli), 4.30-6 Seminary in History of England (David), 4-6 Seminary in Economics (M. P. Smith), 4-6
Seminary in Modern French Literature (Schenck), 4-6 Spanish Seminary (De Haan), 4-6 Seminary in History of Religion (Meek) Seminary in American History (W. R. Smith), 4-6 Seminary in History of Philosophy (T. de Laguna), 4-6	Semitic Seminary (Meek) Historical Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Social and Industrial Research (Kingsbury), 4-6 Education Journal Club (Castro and Arlitt), 4.30-6 Journal Club in History of Art (G. G. King and Rowley), 4.30-6. Alternate Weeks	Community Organization (White), 4-6. Alternate Weeks Seminary in Educational Methods (Castro), 4-6 Seminary in Petrology (W. S. T. Smith), 4.30-6
Seminary in Genetics (Schrader), 4.30-6	Seminary in Physiology (Yates), 4.30-6	
Gothic (Prokosch)		Gothic (Prokosch)

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
9	ELEMENTARY	Greek (Kirk) German (—)	Greek (Kirk) German (—)
	GENERAL	Philosophy (T. de Laguna, G. de Laguna)	Philosophy (T. de Laguna, G. de Laguna)
	MINOR	Greek, Euripides (Sanders) French, 19th Century Literature, Div. A (Trotain) Div. B (H. D. Smith) Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Greek, Homer (Wright) French Reading and Composition, Div. A (Trotain) Div. B (H. D. Smith) Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Algebra (Pell) Chemistry Laboratory (Crenshaw) Geology Laboratory (Bissell)
	MAJOR	Italian (Bullock) German (Prokosch) Mediæval Art, Gothic (Rowley)	Italian (Bullock) German (Prokosch) Modern Painting (G. G. King)
	ELECTIVE	History of Religion (Meek) Europe since 1870 (Gray) Educational Psychology (Arlitt) Biology, Theoretical (Tennent)	History of the Old Testament (Meek) History of the U. S. from 1865 (W. R. Smith) Education (Castro) Advanced Harmony (Alwyne)
	GRADUATE	Industrial Supervision Field Work (Boone), 8-5 Social Economy Practicum, Divs. I, II (Deardorff, Additon), Alt. Weeks, 9-5 Physics (Huff)	Seminary in Social and Industrial Research, Field Work (Kingsbury), 9-5 Mental Tests, Field Work (Rand), 9-5
10	GENERAL	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
	MINOR	English Poetry (Chew) German Grammar (Prokosch) History of Europe from 1789, Div. A (Gray) Ancient Architecture (Carpenter) Biology Laboratory (Schrader)	English Poetry (Chew) German Literature (Prokosch) History of Europe from 1789, Div. A (Gray) Ancient Rome (Swindler) Biology Laboratory (Schrader)
	MAJOR	Recent Philosophical Tendencies (T. de Laguna)	Recent Philosophical Tendencies (T. de Laguna)
	ELECTIVE	Elements of Law (Fenwick)	Modern French Literature (Schenck) Biblical Literature (Meek) Modern Geography (Bissell)
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
11	GRADUATE	Petrography (W. S. T. Smith)	
	GENERAL	English Literature, 1st year (Hughes)	English Literature, 1st year (Hughes)
	ELEMENTARY	French (H. D. Smith) Italian (Bullock) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Greek Sculpture (Carpenter)	French (H. D. Smith) Italian (Bullock) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Archæology, Minor Arts (Carpenter)
	MINOR		
	MAJOR	Latin Comedy (Wheeler) Spanish Reading (De Haan) History, British Imperialism (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)	Latin Literature (Ballou) Spanish Literature (De Haan) History, British Imperialism (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)
	ELECTIVE		Literary Geography (Wright) Applied Sociology (Kingsbury)
12	GRADUATE	Systematic Psychology (Ferree)	
	ELEMENTARY	Spanish (—)	Spanish (—)
	MINOR	Latin, Terence, Div. A (Ballou) Div. B (Swindler) Div. C (Wheeler) Italian (Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)	Latin, Horace, Div. A (Wheeler) Div. B (Ballou) Div. C (Swindler) Italian (Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Art of the Far East (Rowley) Physics Laboratory (Barnes)
	MAJOR	Greek, Thucydides (Sanders) English, Shakespeare (Brown) English Fiction (Savage) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (W. S. T. Smith) Biology (Yates)	Greek Literature (W. C. Wright) English, Shakespeare (Brown) English Fiction (Savage) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (W. S. T. Smith) Biology (Yates)
	ELECTIVE	Advanced History of Music (Surette, Alwyne)	
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (—)	Greek (Kirk) German (—)	Greek (Kirk) German (—)
Philosophy (T. de Laguna, G. de Laguna)	Philosophy (T. de Laguna, G. de Laguna)	Philosophy (T. de Laguna, G. de Laguna)
Greek, Euripides (Sanders) French, 19th Century Literature, Div. A (Trotain) Div. B (H. D. Smith)	Greek, Homer (Wright) French, Reading and Composition, Div. A (Trotain) Div. B (H. D. Smith)	Greek, Herodotus (Sanders) French, 19th Century Literature, Div. A (Trotain) Div. B (H. D. Smith)
Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Algebra (Pell) Chemistry, Demonstration (Crenshaw) Geology, Demonstration (Bissell)	Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)
Italian (Bullock) German (Prokosch) Medieval Art, Gothic (Rowley)	Italian (Bullock) German (Prokosch) Modern Painting (G. G. King)	Italian (Bullock) German (Prokosch) Medieval Art, Gothic (Rowley)
History of Religion (Meek) Europe since 1870 (Gray) Educational Psychology (Arlitt)	History of the Old Testament (Meek) History of the U. S. from 1865 (W. R. Smith) Education (Castro) Advanced Harmony (Alwyne)	History of Religion (Meek) Europe since 1870 (Gray) Educational Psychology (Arlitt) Physical Basis of Music (Huff)
Social Economy Practicum, Div. III (Boone), Alt. Weeks, 9-11 Industrial Relations Observations (Boone), Alt. Weeks, 9-5 Physics (Huff)	Seminary in Applied Psychology (Rand), 9-11 Physics Journal Club (Huff and Barnes) Biology Journal Club (—, Yates and Schrader)	Physics (Huff)
English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
English Poetry (Chew) German Reading (Prokosch) History of Europe from 1789, Div. A (Gray) Ancient Architecture (Carpenter) Biology (Schrader)	English Poetry (Chew) German Literature (Prokosch) History of Europe from 1789, Div. A (Gray) Ancient Rome (Swindler) Biology (Schrader).	English Poetry (Chew) German Reading (Prokosch) History of Europe from 1789, Div. A (Gray) Egypt and Crete (Carpenter) Biology (Schrader)
Recent Philosophical Tendencies (T. de Laguna) Cosmogony (W. S. T. Smith)	Recent Philosophical Tendencies (T. de Laguna) Modern French Literature (Schenck) Biblical Literature (Meek) Modern Geography (Bissell)	Recent Philosophical Tendencies (T. de Laguna)
Physics (Barnes) Chemistry (Brunel) Seminary in Educational Research (Castro) and Arlitt), 10-12 Petrography (W. S. T. Smith)	Physical Chemistry (Crenshaw)	Physics (Barnes) Chemistry (Brunel)
English Literature, 1st year (Hughes)	English Literature, 1st year (Hughes)	English Literature, 1st year (Hughes)
French (H. D. Smith) Italian (—) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Greek Sculpture (Carpenter)	French (H. D. Smith) Italian (—) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Archaeology, Minor Arts (Carpenter)	French (H. D. Smith) Italian (—) Introduction to Government and Politics, Div. A (Franklin) History of Philosophy (G. de Laguna) Greek Sculpture (Carpenter)
Latin Comedy (Wheeler) Spanish Grammar (De Haan) History, British Imperialism (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)	Latin Literature (Ballou) Spanish Literature (De Haan) History, British Imperialism (W. R. Smith) Psychology Applied (Rand) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)	Latin Comedy (Wheeler) Spanish Reading (De Haan) History, British Imperialism (W. R. Smith) Psychology, Applied (Rand) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)
Mathematics (Scott)	Literary Geography (Wright) Applied Sociology (Kingsbury) Seminary in Industrial Supervision (—), 11-1	Systematic Psychology (Ferree)
Systematic Psychology (Ferree)		
Spanish (—)	Spanish (—)	Spanish (—)
Latin, Terence, Div. A (Ballou) Div. B (Swindler) Div. C (Wheeler)	Latin, Horace, Div. A (Wheeler) Div. B (Ballou) Div. C (Swindler)	Latin, Terence, Div. A (Ballou) Div. B (Swindler) Div. C (Wheeler)
Italian (Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)	Italian (Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Art of the Far East (Rowley) Physics, Demonstration (Barnes)	Italian (Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)
Greek, Sophocles (Sanders) English, Shakespeare (Brown) English, Fiction (Savage) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (W. S. T. Smith) Biology (Yates)	Greek Literature (W. C. Wright) English, Shakespeare (Brown) English, Fiction (Savage) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (W. S. T. Smith) Biology Laboratory (Yates)	Greek, Thucydides (Sanders) English, Shakespeare (Brown) English, Fiction (Savage) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (W. S. T. Smith) Biology Laboratory (Yates)
Advanced History of Music (Surette, Alwyne)	Chemistry Journal Club (Brunel and Crenshaw)	Advanced History of Music (Surette, Alwyne) Social and Industrial Research Laboratory (Deardoff)

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (W. S. T. Smith) Biology, Minor (Schrader)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (W. S. T. Smith) Biology, Minor (Schrader)
	ELECTIVE	Psychology of Childhood (Castro) Harmony (Alwyne) Elementary Homer (Kirk)	Psychology of Childhood (Castro)
	POST-MAJOR	Greek, Aeschylus (Sanders) French Lyric Poetry (Trotain)	Greek, Prose Composition (Sanders) French Lyric Poetry (Trotain)
		Economics and Politics, American Economic Problems (M. P. Smith) Oriental Art (Rowley) Mathematics (Pell)	Economics and Politics, American Economic Problems (M. P. Smith) Oriental Art (Rowley) Mathematics (Pell)
	GRADUATE	Beowulf (Brown), 2.30-4.30 Italian Seminary (Riddell), 2-4	Advanced Romance Philology (Gilli) Seminary in Municipal Government (Franklin) Advanced Social Statistics (—) Seminary in Logic and Metaphysics (G. de Laguna), 2-4 Intelligence Tests (Arlitt), 2-4
3	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (W. S. T. Smith) Biology, Minor (Schrader)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (W. S. T. Smith) Biology, Minor (Schrader)
	ELECTIVE	Elocution, Reading of Prose (S. A. King) History and Appreciation of Music (Surette, Alwyne)	Elocution, Reading of Prose (S. A. King) Advanced Experimental Psychology (Ferree) Record Keeping (Kingsbury) History and Appreciation of Music (Surette, Alwyne)
	POST-MAJOR	Greek, Plato (W. C. Wright) Latin, Roman Prose of the Empire (Ballou) Advanced French Composition (Gilli) History, American Constitutional (W. R. Smith) Mathematics (Scott)	Latin, Roman Prose of the Empire (Ballou) Advanced French Composition (Gilli) History, American Constitutional (W. R. Smith) Mathematics (Scott)
	GRADUATE	Germanic Seminary (Prokosch), 3-5 Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (G. G. King), 3-5	Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 French Literature (Trotain), 3-4.30 Seminary in Research in Labour Problems (—)
4	GRADUATE	Latin Seminary, Cicero's Correspondence (Ballou) Seminary in English Literature (Hughes), 4-6 Old French Philology (Gilli) 4.30-6 Elementary Semitic Languages (Meek) History Journal Club (Gray, W. R. Smith, and David), 4-6, Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, Franklin), 4-6, Alternate Weeks Social Treatment (Addison), 4-6 Psychology Seminary (Leuba), 4-6 Seminary in Genetics (Schrader), 4.30-6	Greek Journal Club (Sanders and W. C. Wright), 4.30-6, Alternate Weeks. Latin Journal Club (Wheeler, Ballou, Swindler), 4.30-6, Alternate Weeks Middle English Seminary (Brown), 4.30-6 Seminary in Mediaeval French Literature (Gilli), 4-6 Semitic Seminary (Meek) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Social and Political Philosophy (T. de Laguna), 4-6 Seminary in Social Education (Castro), 4-6 Mathematical Journal Club (Scott and Pell), Alternate Weeks Seminary in Music (Surette, Alwyne), 4-6 Seminary in Physiology (Yates), 4.30-6
5	GRADUATE	Introduction to Germanic Philology (Prokosch)	Hebrew Literature (Meek)

SECOND SEMESTER, 1922-23 (continued).

WEDNESDAY	THURSDAY	FRIDAY
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)
Psychology of Childhood (Castro) Harmony (Alwyne) Elementary Homer (Kirk) Greek, Aeschylus (Sanders) Latin, Composition (Ballou) French, Masterpieces of French Literature (—)	Versification (Crandall) History of Education (Arlitt)	History of Education (Arlitt)
Economics and Politics, American Economic Problems (M. P. Smith) Oriental Art (Rowley) Mathematics (Pell)	French Modern Drama (Schenck)	French Modern Drama (Schenck)
	Economics and Politics, Constitutional Questions (Fenwick) Spanish Painting (G. G. King)	Economics and Politics, Constitutional Questions (Fenwick) Spanish Painting (G. G. King)
Advanced Old French Philology (Gilli) Archæology Seminary (Carpenter), 2-4 Family as a Social Institution (Deardorff), 2-4 Geology Journal Club (W. S. T. Smith and Bissell), 2.15-4.15. Alternate Weeks	Seminary in European History (Gray) Ancient Painting (Swindler)	Greek Seminary, Aristophanes (W. C. Wright), 2-4 Romance Philology (Gilli) Seminary in Labour Organization (—), 2-4
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)
Argumentation (Crandall) History and Appreciation of Music (Surette, Alwyne)	Short Story (Crandall) Elements of Statistics (—)	
Greek, Plato (W. C. Wright) Latin, Roman Prose of the Empire (Ballou) Historical French Grammar (Gilli)	Roman Elegy (Wheeler)	Roman Elegy (Wheeler)
History of the French Revolution (David) Biology, Physiology (Yates)	Spanish (De Haan) History of the French Revolution (David) Municipal Government (Franklin)	Spanish (De Haan) History of the French Revolution (David) Municipal Government (Franklin)
Seminary in Politics (Fenwick)	Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30	English Journal Club (Brown, Chew, Savage, Crandall and Hughes), 3-4.30. Alternate Weeks
Seminary in History of Art (Rowley), 3-5	French Literature (Trotain), 3-4.30 Anglo-Norman (Gilli) Philosophical Journal Club (T. de Laguna and G. de Laguna), 3-4.30	Romance Languages Journal Club (Schenck, Gilli, Trotain, Bullock, and De Haan, 3-4.30. Alternate Weeks
Mathematics Seminary (Scott), 3.30-5.30	Mathematics Seminary (Pell), 3.30-5.30 Seminary in Educational Psychology (Castro), 3-5	Archæological Journal Club (Carpenter and Swindler), 3-4.30. Alternate Weeks
Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6	Middle English Seminary (Brown), 4.30-6 Seminary in German Literature (Prokosch), 4-6	Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Old French Philology (Gilli), 4.30-6
Seminary in Modern French Literature (Schenck), 4-6 Spanish Seminary (De Haan) Seminary in History of Religion (Meek) Seminary in American History (W. R. Smith), 4-6 Seminary in History of Philosophy (T. de Laguna)	Semitic Seminary (Meek) Historical Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Social and Industrial Research (Kingsbury), 4-6 Journal Club in History of Art (G. G. King and Rowley), 4.30-6. Alternate Weeks Education Journal Club (Castro and Arlitt), 4.30-6	Seminary in History of England (David), 4-6 Seminary in Economics (M. P. Smith), 4-6 Community Organization (White), 4-6. Alternate Weeks Seminary in Educational Methods (Castro), 4-6
Seminary in Genetics (Schr. der), 4.30-6	Seminary in Physiology (Yates), 4.30-6	Seminary in Petrology (W. S. T. Smith), 4.30-6
Gothic (Prokosch)		Gothic (Prokosch)

SCHEDULE OF COLLEGIATE EXAMINATIONS.

MONDAY, JANUARY 29TH.		TUESDAY, JANUARY 30TH.		WEDNESDAY, JANUARY 31ST.	
MINOR.	Hour.	MINOR.	Hour.	MINOR.	Hour.
German, Literature.....	9.00-11.00	Greek, Homer.....	9.00-11.00	History of Europe, Divs. A and B	9.00-12.00
Ancient Painting.....	2.00- 4.00	French, Reading and Composition	9.00-11.00		
		Mathematics, Trigonometry.....	9.00-11.00	POST-MAJOR.	
MAJOR.				Latin, Roman Elegy.....	9.00-11.00
Hellenistic Towns.....	9.00-11.00	MAJOR.		History, French Revolution.....	9.00-11.00
		German Literature.....	9.00-11.00	Greek, Attic Orators.....	2.00- 4.00
ELECTIVE.		17th Century Painting.....	9.00-11.00	French, Lyric Poetry.....	2.00- 4.00
Modern French Literature.....	9.00-11.00			Economics.....	2.00- 4.00
Biblical Literature.....	9.00-11.00	ELECTIVE.		Municipal Government.....	9.00-11.00
Geology, Modern Geography.....	9.00-11.00	History of the Old Testament... ..	9.00-11.00	Spanish, Advanced.....	9.00-11.00
		History of U. S.....	9.00-11.00	History of Art, Oriental Art.....	2.00- 4.00
POST-MAJOR.		Education.....	9.00-11.00	Mathematics, Analysis.....	2.00- 4.00
Chemistry, Physical.....	9.00-11.00	Advanced Harmony.....	9.00-11.00		
		Argumentation.....	2.00- 4.00	ELECTIVE.	
MAJOR.				Greek, Elementary Homer.....	2.00- 4.00
Latin, Literature.....	2.00- 4.00	POST-MAJOR.		Psychology of Childhood.....	2.00- 4.00
		Historical French Grammar.....	2.00- 3.15	Harmony.....	2.00- 4.00
ELECTIVE.		Biology, Physiology.....	2.00- 4.00		
Greek, Religion and Myths.....	2.00- 4.00				
Applied Sociology.....	2.00- 4.00				

SCHEDULE OF MATRICULATION EXAMINATIONS,

WEDNESDAY, JANUARY 17TH.		THURSDAY, JANUARY 18TH.		FRIDAY, JANUARY 19TH.	
	Hour.		Hour.		Hour.
Physics (O. R. and N. R.).....	11.00- 1.00	English Literature.....	9.30-12.30	Geometry.....	9.30-12.00
English Composition.....	2.00- 4.00	Latin Prose Authors.....	2.00- 4.00	Ancient History.....	2.00- 4.00
				Latin Poets.....	4.15- 5.45
MONDAY, FEBRUARY 5TH.		TUESDAY, FEBRUARY 6TH.			
	Hour.		Hour.		
Minor Latin, Section A.....	9.30-12.30	Minor Latin, Section B.....	9.30-12.30		
Trigonometry.....	2.30- 4.30	Solid Geometry.....	2.30- 4.30		

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations by it; on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

FIRST SEMESTER, 1922-23.

THURSDAY, JANUARY 25TH.		FRIDAY, JANUARY 26TH.		SATURDAY, JANUARY 27TH.	
ELEMENTARY. Hour.		ELEMENTARY. Hour.		MINOR. Hour.	
Spanish.....	9.00-12.00	Greek.....	9.00-12.00	Latin, Horace.....	9.00-11.00
MINOR.		German.....	9.00-12.00	Italian Composition.....	9.00-11.00
Latin, Cicero.....	9.00-11.00	GENERAL.		Art of the Far East.....	9.00-11.00
Italian, Literature.....	9.00-11.00	Psychology.....	9.00-12.00	MAJOR.	
Experimental Psychology.....	9.00-12.00	MINOR.		Greek, Literature.....	9.00-11.00
Italian Renaissance Painting.....	9.00-11.00	Greek, Plato and Sophocles.....	9.00-12.15	French Reading and Composition.....	9.00-11.00
Physics.....	9.00-12.00	French Literature.....	9.00-11.00	Mathematics, Theory of Equations.....	9.00-11.00
MAJOR.		Spanish.....	9.00-12.00	POST-MAJOR.	
Greek, Demosthenes and Aristophanes.....	9.00-12.15	Mathematics, Analytical Conics.....	9.00-11.00	Greek, Sophocles.....	2.00- 3.15
English Drama.....	9.00-12.00	Chemistry.....	9.00-12.00	Latin, Composition.....	2.00- 3.15
French Literature.....	9.00-11.00	Geology.....	9.00-12.00	French, Masterpieces.....	2.00- 3.15
Politics.....	9.00-12.00	MAJOR.		Mathematics.....	2.00- 3.15
Mathematics, Diff. and Int. Calculus.....	9.00-11.00	Italian, Literature.....	9.00-11.00	Biology, Embryology.....	2.00- 4.00
Geology.....	9.00-12.00	German Reading and Composition.....	9.00-11.00		
Biology.....	9.00-12.00	Mediæval Art.....	9.00-11.00		
ELECTIVE.		ELECTIVE.			
Advanced History of Music.....	9.00-11.00	History of Religion.....	9.00-11.00		
		History, Europe since 1870.....	9.00-11.00		
		Educational Psychology.....	9.00-11.00		
		Biology, Theoretical.....	11.00-12.15		
		POST-MAJOR.			
		Inorganic Chemistry.....	2.00- 4.00		
THURSDAY, FEBRUARY 1st.		FRIDAY, FEBRUARY 2ND.		SATURDAY, FEBRUARY 3RD.	
ELEMENTARY. Hour.		GENERAL. Hour.		MINOR. Hour.	
French.....	9.00-12.00	Second Year English, Literature.....	9.00-12.00	Economics, Divs. A and B.....	9.00-12.00
Italian.....	9.00-12.00	MINOR.		POST-MAJOR.	
GENERAL.		English, 19th Century Critics.....	9.00-12.00	Stratigraphy and Paleontology.....	9.00-11.00
First Year, English Composition.....	9.00-12.00	Anglo-Saxon.....	9.00-12.00		
MINOR.		German, Grammar and Reading.....	9.00-11.00		
Philosophy, Ethics.....	9.00-12.00	Ancient Architecture.....	9.00-11.00		
Greek Sculpture.....	9.00-11.00	Biology.....	9.00-12.00		
MAJOR.		MAJOR.			
Latin, Tacitus and Composition.....	9.00-12.15	Philosophy, Kant to Spencer.....	9.00-12.00		
Spanish.....	9.00-12.00	ELECTIVE.			
History of the Renaissance.....	9.00-12.00	Private Law.....	9.00-10.15		
Psychology, Social Psychology.....	9.00-12.00	Cosmogony.....	10.30-11.45		
Physics.....	9.00-12.00	POST-MAJOR.			
Chemistry.....	9.00-12.00	Physics.....	9.00-11.00		
ELECTIVE.		Chemistry, Organic.....	9.00-11.00		
Mathematics.....	9.00-10.15				
The Short Story.....	2.00- 4.00				
Statistics.....	2.00- 3.15				
POST-MAJOR.					
Mineralogy.....	9.00-11.00				

JANUARY - FEBRUARY, 1923.

SATURDAY, JANUARY 20TH.		MONDAY, JANUARY 22ND		TUESDAY, JANUARY 23RD.	
Hour.		Hour.		Hour.	
French Grammar and Composition 9.30-10.30		Algebra..... 9.30-12.00		German Grammar, Composition. 9.30-10.30	
French Translation..... 10.45-12.45		Latin Composition..... 2.00- 3.30		German Translation..... 10.45-12.45	
English or American History.... 2.00- 4.00		Science, N. R..... 3.45- 5.15		Greek Grammar and Composition 2.00- 3.00	
				Greek Prose Authors..... 3.05- 4.05	
				Greek Poets..... 4.10- 5.10	
				French, two point..... 2.00- 4.00	
				Italian, two point..... 2.00- 4.00	
				Spanish, two point..... 2.00- 4.00	
				German, two point..... 2.00- 4.00	

SCHEDULE OF COLLEGIATE EXAMINATIONS.

		WEDNESDAY, MAY 23RD.	
		ELEMENTARY. Spanish.....	Hour. 9.00-10.30
		MINOR. Latin, Horace..... Italian, Composition..... Art of the Far East.....	9.00-11.00 9.00-11.00 9.00-11.00
		MAJOR. Greek, Literature..... French, Reading and Composition..... Mathematics, Anal. Geometry...	9.00-11.00 9.00-11.00 9.00-11.00
		POST-MAJOR. Mathematics..... Biology, Embryology.....	2.00- 3.15 2.00- 4.00
MONDAY, MAY 28TH.		TUESDAY, MAY 29TH.	
ELEMENTARY. Spanish.....	Hour. 9.00-10.30	ELEMENTARY. Greek..... German.....	Hour. 9.00-10.30 9.00-10.30
MINOR. Latin, Terence..... Italian, Literature..... Psychology..... Italian, Renaissance Painting.... Physics.....	9.00-11.00 9.00-11.00 9.00-12.00 9.00-11.00 9.00-12.00	GENERAL. Philosophy.....	9.00-12.00
MAJOR. Greek, Thucydides and Sophocles English, 19th Century Fiction... English, Shakespeare..... French Literature..... History of Economic Thought.... Mathematics, Curve Tracing.... Geology..... Biology.....	9.00-12.15 9.00-12.00 9.00-12.00 9.00-11.00 9.00-12.00 9.00-11.00 9.00-12.00 9.00-12.00	MINOR. Greek, Herodotus and Euripides. French, Literature..... Spanish..... Mathematics, Differential and Integral Calculus..... Chemistry..... Geology.....	9.00-12.15 9.00-11.00 9.00-12.00 9.00-11.00 9.00-12.00 9.00-12.00
POST-MAJOR. Historical French Grammar..... Biology, Physiology.....	2.00- 3.15 2.00- 4.00	MAJOR. Italian, Literature..... German, Reading and Composition Mediaeval Art.....	9.00-11.00 9.00-11.00 9.00-11.00
ELECTIVE. Adv. History of Music.....	9.00-11.00	ELECTIVE. History of Religion..... History, Europe since 1870..... Educational Psychology..... Biology, Theoretical.....	9.00-11.00 9.00-11.00 9.00-11.00 9.00-10.15
		POST-MAJOR. Inorganic Chemistry.....	2.00- 4.00
MONDAY, MAY 30TH.		TUESDAY, MAY 31ST.	
ELEMENTARY. Spanish.....	Hour. 9.00-10.30	ELEMENTARY. Greek..... German.....	Hour. 9.00-10.30 9.00-10.30
MINOR. Latin, Terence..... Italian, Literature..... Psychology..... Italian, Renaissance Painting.... Physics.....	9.00-11.00 9.00-11.00 9.00-12.00 9.00-11.00 9.00-12.00	GENERAL. Philosophy.....	9.00-12.00
MAJOR. Greek, Thucydides and Sophocles English, 19th Century Fiction... English, Shakespeare..... French Literature..... History of Economic Thought.... Mathematics, Curve Tracing.... Geology..... Biology.....	9.00-12.15 9.00-12.00 9.00-12.00 9.00-11.00 9.00-12.00 9.00-11.00 9.00-12.00 9.00-12.00	MINOR. Greek, Herodotus and Euripides. French, Literature..... Spanish..... Mathematics, Differential and Integral Calculus..... Chemistry..... Geology.....	9.00-12.15 9.00-11.00 9.00-12.00 9.00-11.00 9.00-12.00 9.00-12.00
POST-MAJOR. Historical French Grammar..... Biology, Physiology.....	2.00- 3.15 2.00- 4.00	MAJOR. Italian, Literature..... German, Reading and Composition Mediaeval Art.....	9.00-11.00 9.00-11.00 9.00-11.00
ELECTIVE. Adv. History of Music.....	9.00-11.00	ELECTIVE. History of Religion..... History, Europe since 1870..... Educational Psychology..... Biology, Theoretical.....	9.00-11.00 9.00-11.00 9.00-11.00 9.00-10.15
		POST-MAJOR. Inorganic Chemistry.....	2.00- 4.00

SCHEDULE OF MATRICULATION EXAMINATIONS.

	TUESDAY, MAY 29TH.	WEDNESDAY, MAY 30TH.
	<div>Hour.</div> Minor Latin, Section A..... 9.30-12.30 Trigonometry..... 9.30-11.30 Minor Latin, Section B..... 2.30- 5.30 Solid Geometry..... 2.30- 4.30	<div>Hour.</div> Physics (O. R. and N. R.)..... 11.00- 1.00 English Composition..... 2.00- 4.00
MONDAY, JUNE 4TH.	TUESDAY, JUNE 5TH.	
<div>Hour.</div> Algebra..... 9.30-12.00 Latin, Composition..... 2.00- 3.30 Science, N. R..... 3.45- 5.15	<div>Hour.</div> German, Grammar, Composition 9.30-10.30 German Translation..... 10.45-12.45 Greek, Grammar and Composition 2.00- 3.00 Greek, Prose Authors..... 3.05- 4.05 Greek Poets..... 4.10- 5.10 French, two point..... 2.00- 4.00 Italian, two point..... 2.00- 4.00 Spanish, two point..... 2.00- 4.00 German, two point..... 2.00- 4.00	

SECOND SEMESTER, 1922-23.

THURSDAY, MAY 24TH.	FRIDAY, MAY 25TH.	SATURDAY, MAY 26TH.
<div>ELECTIVE. Hour. Reading of Prose. 9.00-10.15 Adv. Exper. Psychology. 9.00-11.00 Record Keeping. 9.00-11.00 Hist. and Appreciation of Music. 9.00-11.00</div> <div>POST-MAJOR. Greek, Plato. 9.00-11.00 Latin, Prose of the Empire. 9.00-11.00 Adv. French Composition. 9.00-11.00 History, American Constitutional 9.00-11.00 Mathematics, Geometry. 9.00-11.00</div> <div>ELECTIVE. Versification. 2.00- 4.00 Education, History of. 2.00- 4.00</div> <div>POST-MAJOR. French, Modern Drama. 2.00- 4.00 International Law. 2.00- 4.00 History of Art, Spanish Painting. 2.00- 4.00 Biochemistry. 2.00- 4.00</div>	<div>ELEMENTARY. Hour. French. 9.00-10.30 Italian. 9.00-10.30</div> <div>GENERAL. First Year English, Literature. . . 9.00-12.00</div> <div>MINOR. Philosophy, History of. 9.00-12.00 Greek Sculpture. 9.00-11.00</div> <div>MAJOR. Latin, Comedy and Composition. 9.00-12.15 Spanish, Reading and Composi- tion. 9.00-11.00 History of British Imperialism. . . 9.00-12.00 Applied Psychology. 9.00-12.00 Physics. 9.00-12.00 Chemistry. 9.00-12.00</div> <div>ELECTIVE. Mathematics. 9.00-10.15 Short Story. 2.00- 4.00 Statistics. 2.00- 3.15</div> <div>POST-MAJOR. Mineralogy. 9.00-11.00</div>	<div>GENERAL. Hour. Second Year English, Composition 9.00-12.00</div> <div>MINOR. English, English Poetry. 9.00-12.00 German, Grammar and Reading. 9.00-11.00 Ancient Architecture. 9.00-11.00 Egypt and Crete. 11.15-12.30 Biology. 9.00-12.00</div> <div>MAJOR. Philosophy, Recent Philosophical Tendencies. 9.00-12.00</div> <div>ELECTIVE. Private Law. 9.00-10.15 Cosmogony. 11.00-12.15</div> <div>POST-MAJOR. Physics. 9.00-11.00 Chemistry, Organic. 9.00-11.00</div>
THURSDAY, MAY 31st.	FRIDAY, JUNE 1st.	SATURDAY, JUNE 2ND.
<div>ELEMENTARY. Hour. French. 2.00- 3.30 Italian. 2.00- 3.30</div> <div>MINOR. Politics, Divs. A and B. 9.00-12.00 Greek Minor Arts. 2.00- 4.00</div> <div>MAJOR. Latin, Literature. 2.00- 4.00 Spanish, Literature. 2.00- 4.00</div> <div>ELECTIVE. Literary Geography. 2.00- 4.00 Applied Sociology. 2.00- 4.00</div> <div>POST-MAJOR. Stratigraphy and Paleontology. . 9.00-11.00</div>	<div>ELEMENTARY. Hour. German. 9.00-10.30</div> <div>MINOR. Greek, Homer. 9.00-11.00 French, Reading and Composition 9.00-11.00 Mathematics, Theory of Equa- tions, Algebra. 9.00-11.00</div> <div>MAJOR. Italian, Composition. 9.00-11.00 German, Literature. 9.00-11.00 Modern Painting. 9.00-11.00</div> <div>ELECTIVE. History of the Old Testament. . . 9.00-11.00 History of the U. S. 9.00-11.00 Education. 9.00-11.00 Advanced Harmony. 9.00-11.00</div> <div>POST-MAJOR. Greek, Sophocles. 2.00- 3.15 Latin, Prose Composition. 2.00- 3.15 French Masterpieces. 2.00- 3.15 Chemistry, Physical. 9.00-11.00</div>	<div>MINOR. Hour. German, Literature. 9.00-11.00</div> <div>MAJOR. Ancient Rome. 9.00-11.00</div> <div>ELECTIVE. Biblical Literature. 9.00-11.00 Modern French Literature. 9.00-11.00 Geology, Modern Geography. . . . 9.00-11.00 Argumentation. 2.00- 4.00</div>

SPRING, 1923.

THURSDAY, MAY 31st.	FRIDAY, JUNE 1st.	SATURDAY, JUNE 2ND.
<div>Hour. English Literature. 9.30-12.30 Latin Prose Authors. 2.00- 4.00</div>	<div>Hour. Geometry. 9.30-12.00 Ancient History. 2.00- 4.00 Latin Poets. 4.15- 5.45</div>	<div>Hour. French, Grammar, Composition. 9.30-10.30 French Translation. 10.45-12.45 English History or American His- tory. 2.00- 4.00</div>

EXAMINATIONS FOR MATRICULATION

AUTUMN, 1922.

MONDAY, SEPTEMBER 25.

<i>Physics (Old and New Requirements)</i>	11.00- 1.00
<i>English Composition</i>	2.00- 4.00

TUESDAY, SEPTEMBER 26.

<i>English Literature</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00

WEDNESDAY, SEPTEMBER 27.

<i>Geometry</i>	9.30-12.00
<i>Ancient History</i>	2.00- 4.00
<i>Latin Poets</i>	4.15- 5.45

THURSDAY, SEPTEMBER 28.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

FRIDAY, SEPTEMBER 29.

<i>Algebra</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	3.45- 5.15

SATURDAY, SEPTEMBER 30.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Greek Grammar and Composition</i>	2.00- 3.00
<i>Greek Prose Authors</i>	3.05- 4.05
<i>Greek Poets</i>	4.10- 5.10

Greek as above (any two points).

Two point
optional lan-
guage exami-
nations, New
Requirements.

<i>French Grammar and Composition and Translation</i>	2.00- 4.00
<i>German Grammar and Composition and Translation</i>	2.00- 4.00
<i>Spanish Grammar and Composition and Translation</i>	2.00- 4.00
<i>Italian Grammar and Composition and Translation</i>	2.00- 4.00

THURSDAY, OCTOBER 5.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

FRIDAY, OCTOBER 6.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1923.

WEDNESDAY, JANUARY 17.

<i>Physics (Old and New Requirements)</i>	11.00- 1.00
<i>English Composition</i>	2.00- 4.00

THURSDAY, JANUARY 18.

<i>English Literature</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00

FRIDAY, JANUARY 19.

<i>Geometry</i>	9.30-12.00
<i>Ancient History</i>	2.00- 4.00
<i>Latin Poets</i>	4.15- 5.45

SATURDAY, JANUARY 20.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

MONDAY, JANUARY 22.

<i>Algebra</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or</i> <i>Physical Geography (New Requirements)</i>	3.45- 5.15

TUESDAY, JANUARY 23.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Greek Grammar and Composition</i>	2.00- 3.00
<i>Greek Prose Authors</i>	3.05- 4.05
<i>Greek Poets</i>	4.10- 5.10

Greek as above (any two points).

	or	
<i>French Grammar and Composition and Translation</i>	2.00- 4.00	Two point optional lan- guage exami- nations, New Requirements.
	or	
<i>German Grammar and Composition and Translation</i>	2.00- 4.00	
	or	
<i>Spanish Grammar and Composition and Translation</i>	2.00- 4.00	
	or	
<i>Italian Grammar and Composition and Translation</i>	2.00- 4.00	

MONDAY, FEBRUARY 5.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

TUESDAY, FEBRUARY 6.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

SPRING, 1923.

TUESDAY, MAY 29.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	2.30- 5.30
<i>Trigonometry</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

WEDNESDAY, MAY 30.

<i>Physics (Old and New Requirements)</i>	11.00- 1.00
<i>English Composition</i>	2.00- 4.00

THURSDAY, MAY 31.

<i>English Literature</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00

FRIDAY, JUNE 1.

<i>Geometry</i>	9.30-12.00
<i>Ancient History</i>	2.00- 4.00
<i>Latin Poets</i>	4.15- 5.45

SATURDAY, JUNE 2.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

MONDAY, JUNE 4.

<i>Algebra</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	3.45- 5.15

TUESDAY, JUNE 5.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Greek Grammar and Composition</i>	2.00- 3.00
<i>Greek Prose Authors</i>	3.05- 4.05
<i>Greek Poets</i>	4.10- 5.10

Greek as above (any two points).

or

French Grammar and Composition and Translation..... 2.00- 4.00

or

German Grammar and Composition and Translation..... 2.00- 4.00

or

Spanish Grammar and Composition and Translation..... 2.00- 4.00

or

Italian Grammar and Composition and Translation..... 2.00- 4.00

**Two point
optional lan-
guage exami-
nations, New
Requirements.**

AUTUMN, 1923.

MONDAY, SEPTEMBER 24.

<i>Physics (Old and New Requirements)</i>	11.00- 1.00
<i>English Composition</i>	2.00- 4.00

TUESDAY, SEPTEMBER 25.

<i>English Literature</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00

WEDNESDAY, SEPTEMBER 26.

<i>Geometry</i>	9.30-12.00
<i>Ancient History</i>	2.00- 4.00
<i>Latin Poets</i>	4.15- 5.45

THURSDAY, SEPTEMBER 27.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

FRIDAY, SEPTEMBER 28.

<i>Algebra</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	3.45- 5.15

SATURDAY, SEPTEMBER 29.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Greek Grammar and Composition</i>	2.00- 3.00
<i>Greek Prose Authors</i>	3.05- 4.05
<i>Greek Poets</i>	4.10- 5.10

Greek as above (any two points).

or

French Grammar and Composition and Translation..... 2.00- 4.00

or

German Grammar and Composition and Translation..... 2.00- 4.00

or

Spanish Grammar and Composition and Translation..... 2.00- 4.00

or

Italian Grammar and Composition and Translation..... 2.00- 4.00

Two point
optional lan-
guage exami-
nations, New
Requirements.

THURSDAY, OCTOBER 4.

FRIDAY, OCTOBER 5.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30	<i>Solid Geometry</i>	2.30- 4.30

WINTER, 1924.

WEDNESDAY, JANUARY 16.

<i>Physics (Old and New Requirements)</i>	11.00- 1.00
<i>English Composition</i>	2.00- 4.00

THURSDAY, JANUARY 17.

<i>English Literature</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00

FRIDAY, JANUARY 18.

<i>Geometry</i>	9.30-12.00
<i>Ancient History</i>	2.00- 4.00
<i>Latin Poets</i>	4.15- 5.45

SATURDAY, JANUARY 19.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

MONDAY, JANUARY 21.

<i>Algebra</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography (New Requirements)</i>	3.45- 5.15

TUESDAY, JANUARY 22.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Greek Grammar and Composition</i>	2.00- 3.00
<i>Greek Prose Authors</i>	3.05- 4.05
<i>Greek Poets</i>	4.10- 5.10

Greek as above (any two points).

or

French Grammar and Composition and Translation..... 2.00- 4.00

or

German Grammar and Composition and Translation..... 2.00- 4.00

or

Spanish Grammar and Composition and Translation..... 2.00- 4.00

or

Italian Grammar and Composition and Translation..... 2.00- 4.00

MONDAY, FEBRUARY 4.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

TUESDAY, FEBRUARY 5.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

Two point
optional lan-
guage exami-
nations, New
Requirements.

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